CFD-S350/S350L

SERVICE MANUAL

Ver. 1.9 2007.09

US Model
Canadian Model
E Model
Australian Model
CFD-S350
AEP Model
UK Model
CFD-S350L

CD Section	Model Name Using Similar Mechanism	CFD-S250
	CD Mechanism Type	KSM-213CDP
	Optical Pick-up Name	KSS-213C
TC Section	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	MF-S350//C MF-S200//C MF-S200//C1 MF-S350V//C

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (US Model)
POWER OUTPUT AND TOTAL HARMONIC DISTORTION
With 3.2-ohm loads, both channels driven from 150 - 10,000 Hz; rated 1.8 W per channel-minimum RMS power, with no more than 10 % total harmonic distortion in AC operation.

Other Specifications
CD player section
System
Compact disc digital audio system
Laser diode properties
Material: GaAlAs
Wave length: 780 nm
Emission duration: Continuous
Laser output: Less than 44.6 μW
(This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)
Spindle speed
200 r/min (rpm) to 500 r/min (rpm) (CLV)
Number of channels
2
Frequency response
20 - 20,000 Hz +1/–2 dB
Wow and flutter
Below measurable limit

Radio section
Frequency range

CFD-S350	
FM	87.5 - 108 MHz
AM	US, CND, E92, MX model: 530 - 1,710 kHz TW model: 531 - 1,611 kHz other models: 530 - 1,611 kHz (9 kHz step) 530 - 1,610 kHz (10 kHz step)
CFD-S350L	
FM	87.5 - 108 MHz
MW	531 - 1,611 kHz (9 kHz step) 530 - 1,610 kHz (10 kHz step)
LW	153 - 279 kHz

IF
FM: 10.7 MHz
AM/MW/LW: 450 kHz
Aerials
FM: Telescopic aerials
AM/MW/LW: Built-in ferrite bar aerials

– Continued on next page –

CD RADIO CASSETTE-CORDER

9-879-435-10
2007I04-1
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Sony Corporation
Personal Audio Division
Published by Sony Techno Create Corporation

SONY®

Cassette-corder section

Recording system
4-track 2 channel stereo
Fast winding time
Approx. 120 s (sec.) with Sony cassette C-60
Frequency response
TYPE I (normal): 80 - 10,000 Hz

General

Speaker
Full range: 10 cm dia., 3.2 Ω, cone type (2)
Outputs
Headphones jack (stereo minijack):
For 16 - 68 Ω impedance headphones
Maximum Power output
US, CND, E92, MX, TW model: 2.3 W + 2.3 W
(at 3.2 ohms, 10% harmonic distortion)
other models: 5.2 W
Power requirements
For CD radio cassette-corder:
US, CND, E92, MX, TW model: 120 V AC, 60 Hz
KR model: 220 V AC, 60 Hz
Other models: 230 V AC, 50 Hz
9 V DC, 6 R20 (size D) batteries
For remote control:
3 V DC, 2 R03 (size AAA) batteries
Power consumption
AC 14 W
Battery life
For CD radio cassette-corder:

FM recording
Sony R20P: approx. 13.5 h
Sony alkaline LR20: approx. 20 h
Tape playback
Sony R20P: approx. 7.5 h
Sony alkaline LR20: approx. 15 h
CD playback
Sony R20P: approx. 2.5 h
Sony alkaline LR20: approx. 7 h

Dimensions
Approx. 420 × 155 × 260 mm (w/h/d)
(16 5/8 × 6 1/8 × 10 1/4 inches) (incl. projecting parts)
Mass
Approx. 3.7 kg (8 lb. 3 oz) (incl. batteries)
Supplied accessory
Mains lead (1)
Remote control (1)

Design and specifications are subject to change without notice.

- Abbreviation
  CND : Canadian model
  E92 : AC 120V area in E model
  KR : Korean model
  MX : Mexican model
  TW : Taiwan model

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT (US MODEL)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

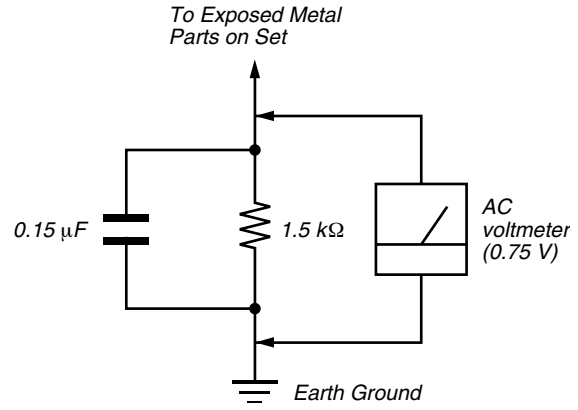

Fig. A. Using an AC voltmeter to check AC leakage.

● UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350°C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

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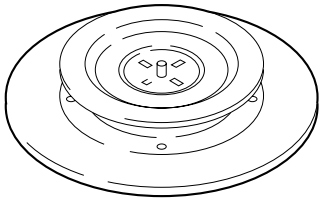
SECTION 1
SERVICING NOTES

CHUCK PLATE JIG ON REPAIRING

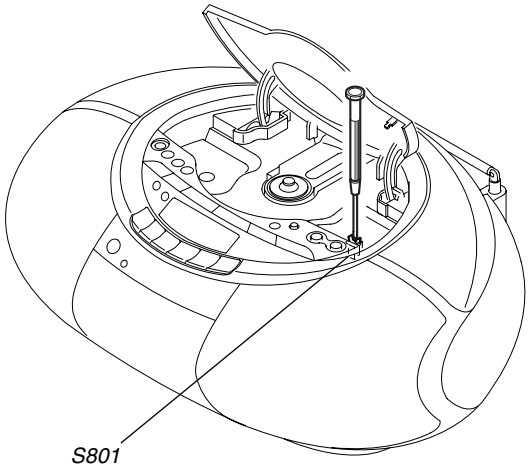
On repairing CD section, playing a disc without the lid (CD), use Chuck Plate Jig.

• Code number of Chuck Plate Jig: X-4918-255-1



LASER DIODE AND FOCUS SEARCH OPERATION CHECK

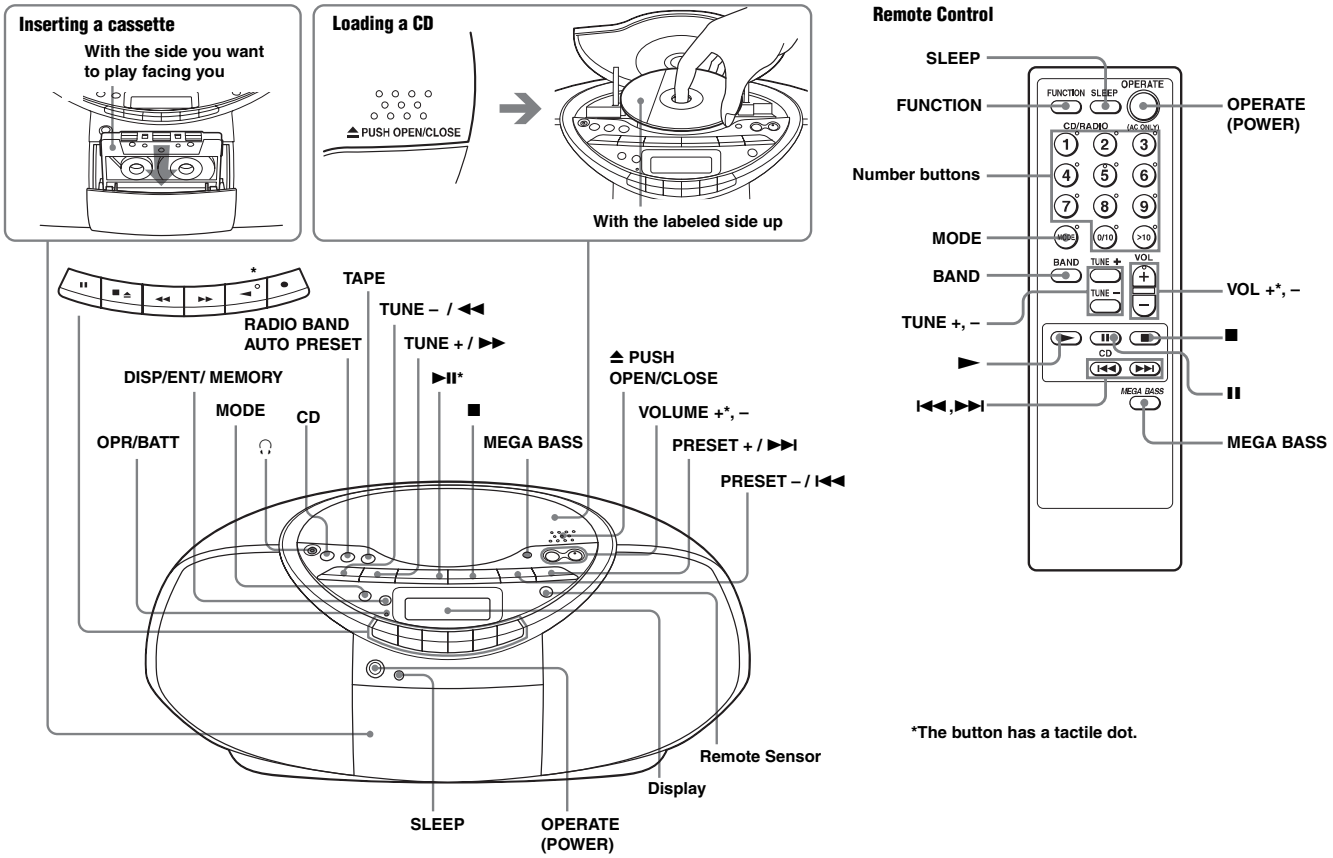
1. Turn ON the [POWER] (CFD-S350) or [OPERATE] (CFD-S350L) button and press [CD] button to CD position.
2. Open the CD lid.
3. Turn on S801 with screwdriver, etc. as following figure.
4. Press the [►II] (CD) button.
5. Confirm the laser diode emission while observing the objecting lens. When there is no emission, Auto Power Control circuit or Optical Pick-up is broken.
   Objective lens moves up and down three times for focus search.



SECTION 2
GENERAL

This section is extracted from instruction manual.

Location of controls



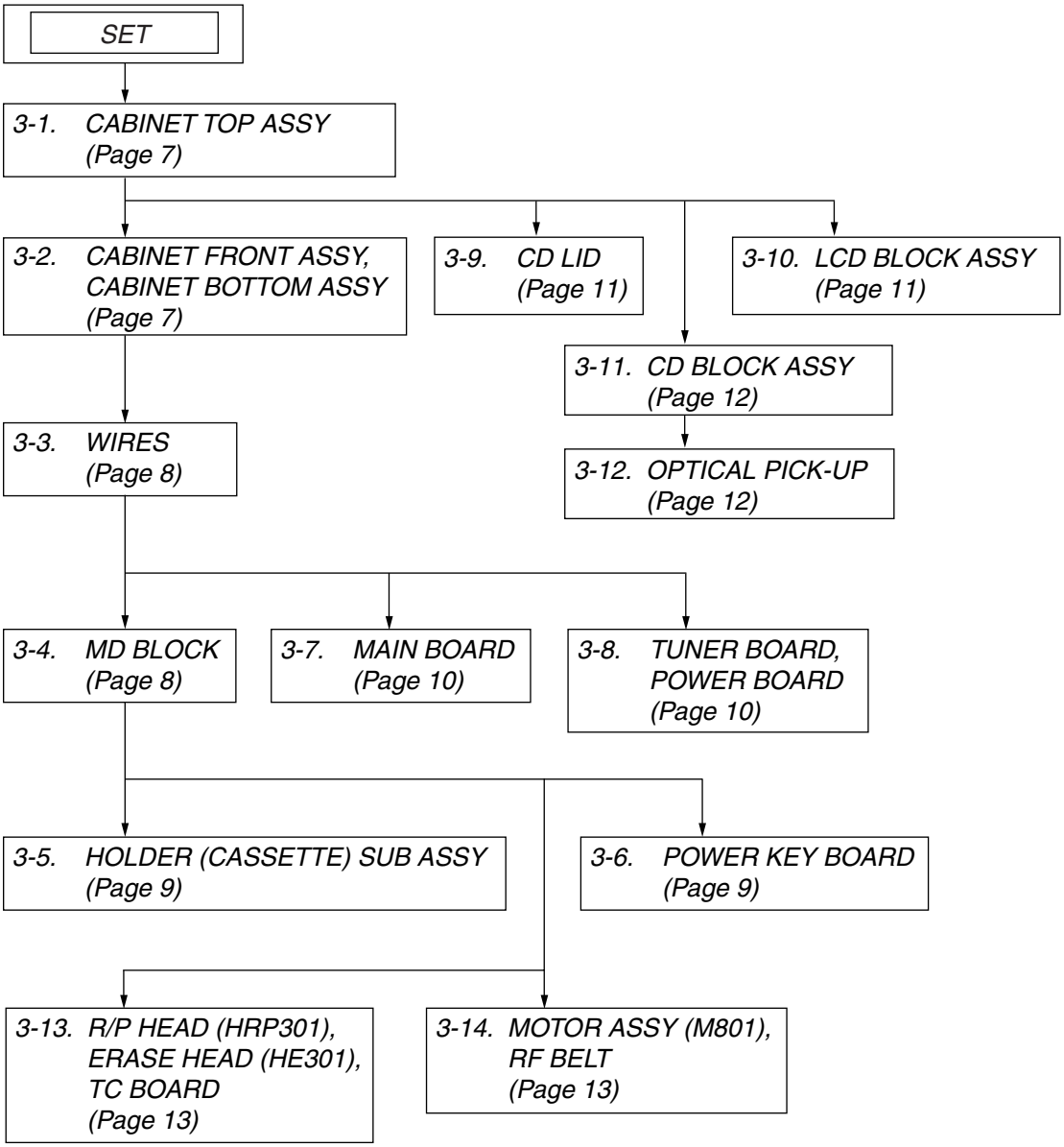
Display

D Total track number — 12 — 55:27 — Total playing time

E Programmed track — 03 — 01 (PGM) — Playing order

SECTION 3
DISASSEMBLY

• The equipment can be removed using the following procedure.


SET
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3-10. LCD BLOCK ASSY (Page 11)
3-11. CD BLOCK ASSY (Page 12)
3-12. OPTICAL PICK-UP (Page 12)
3-3. WIRES (Page 8)
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3-7. MAIN BOARD (Page 10)
3-8. TUNER BOARD, POWER BOARD (Page 10)
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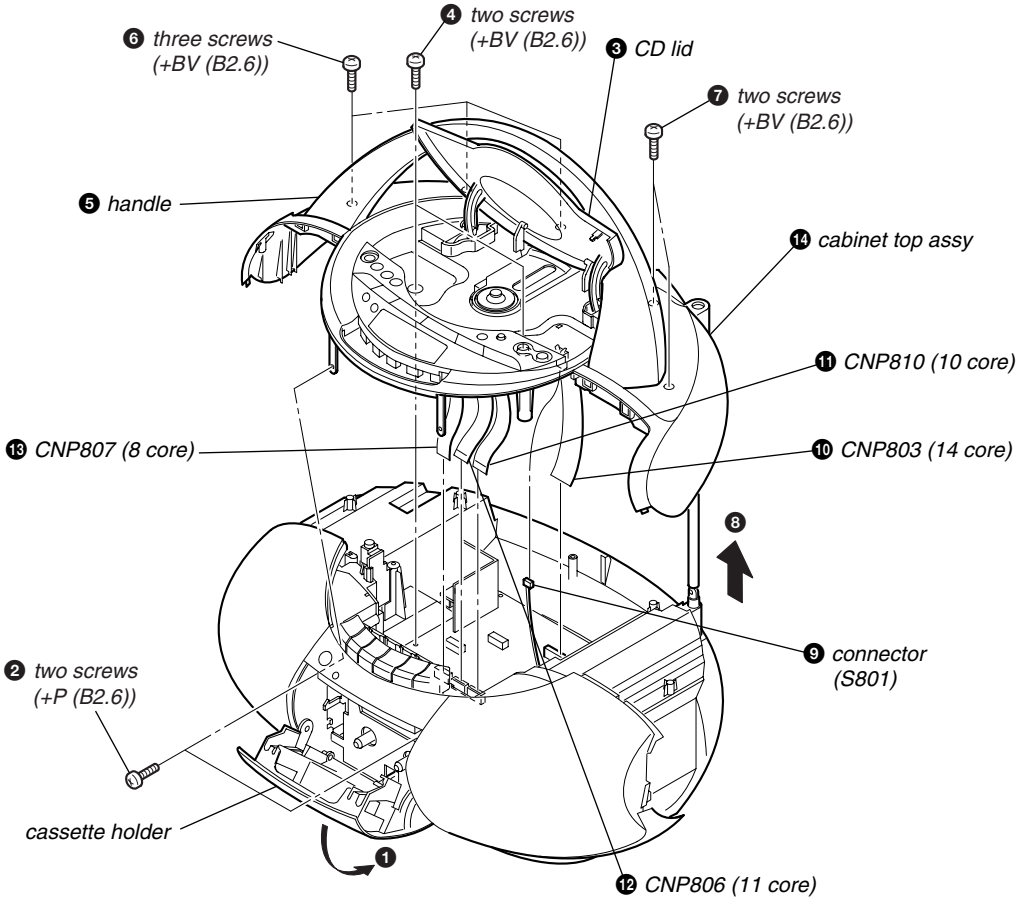
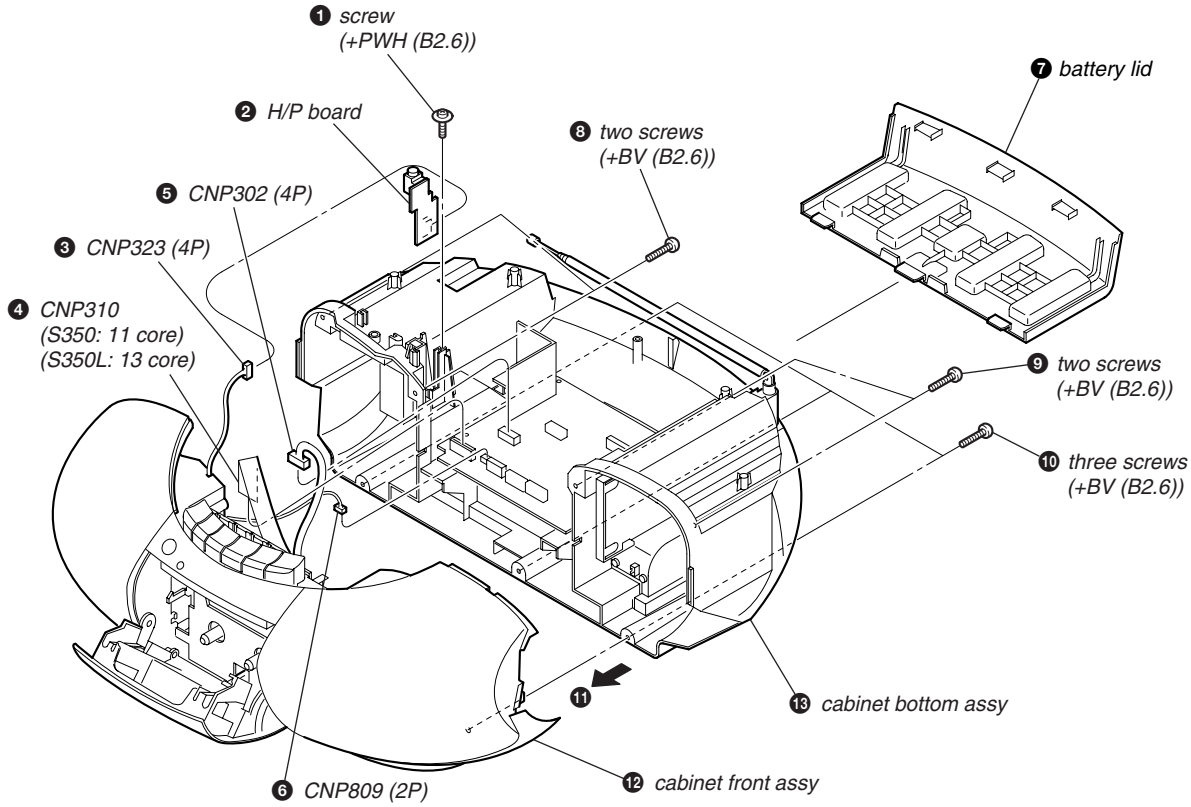
Note : Follow the disassembly procedure in the numerical order given.

3-1. CABINET TOP ASSY

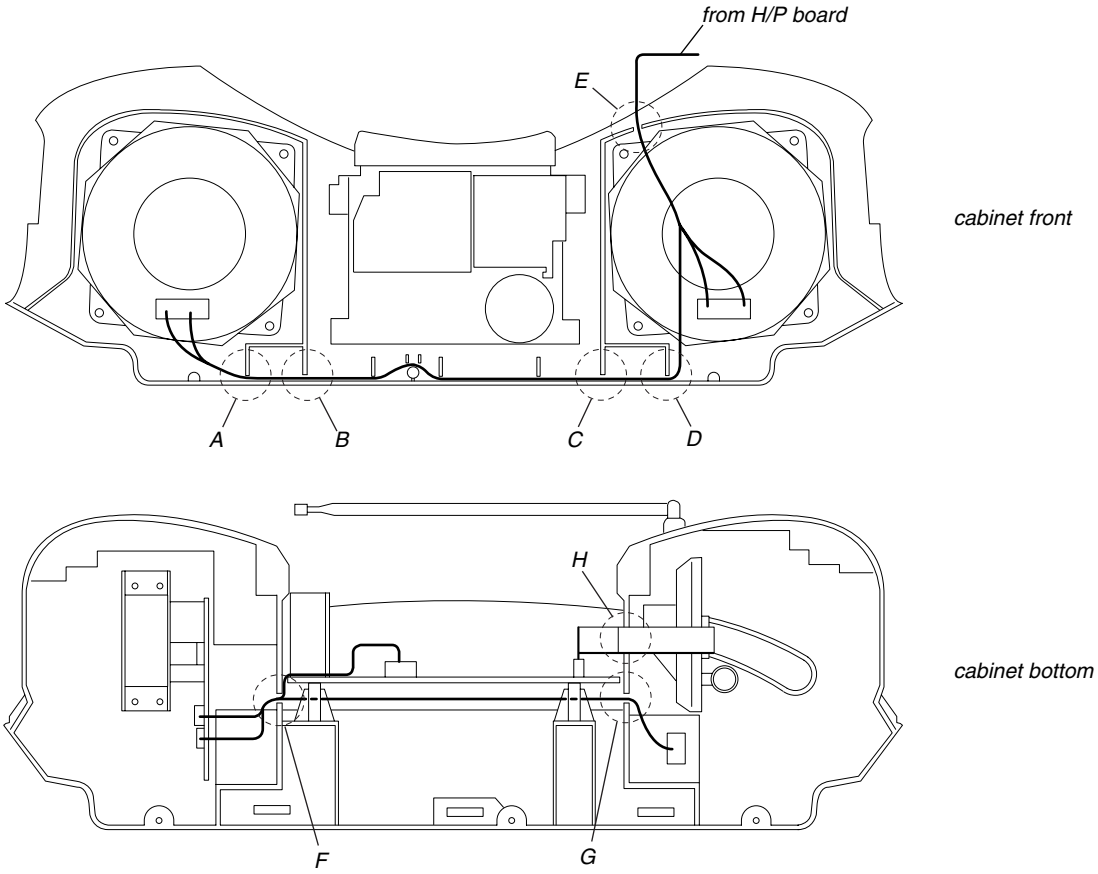


3-2. CABINET FRONT ASSY, CABINET BOTTOM ASSY

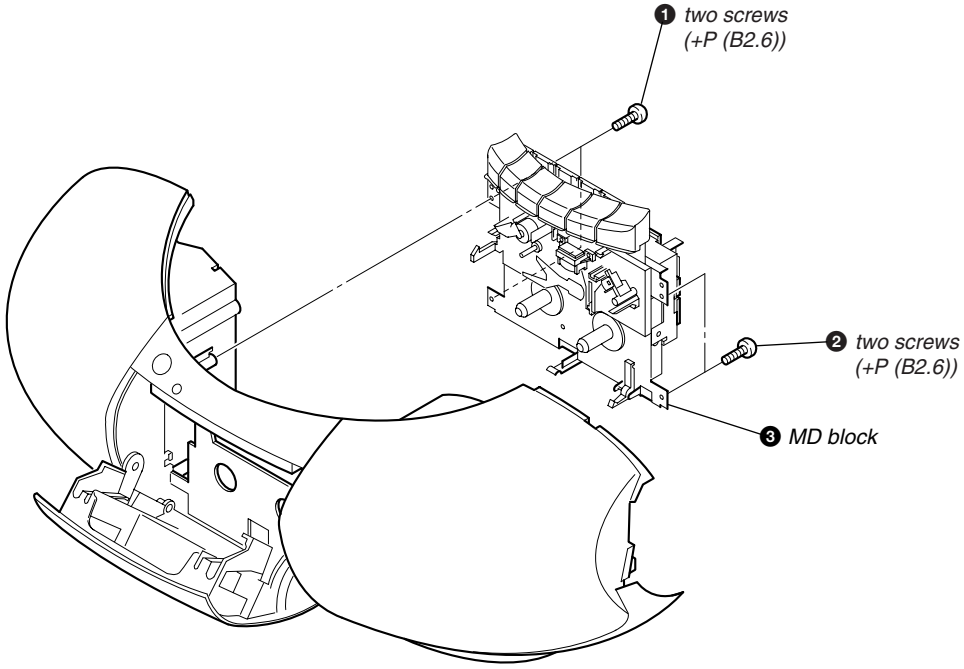


3-3. WIRES

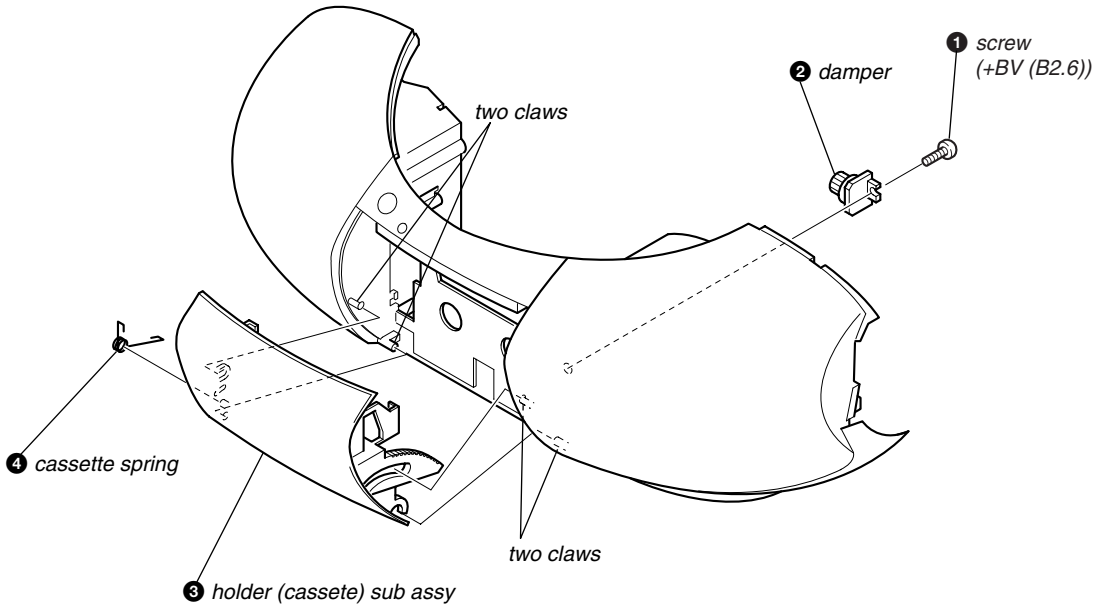
Put flat cable and wires between the cabinets and push them in the grooves located at A to G in the figure to prevent disconnection before assembling the set.



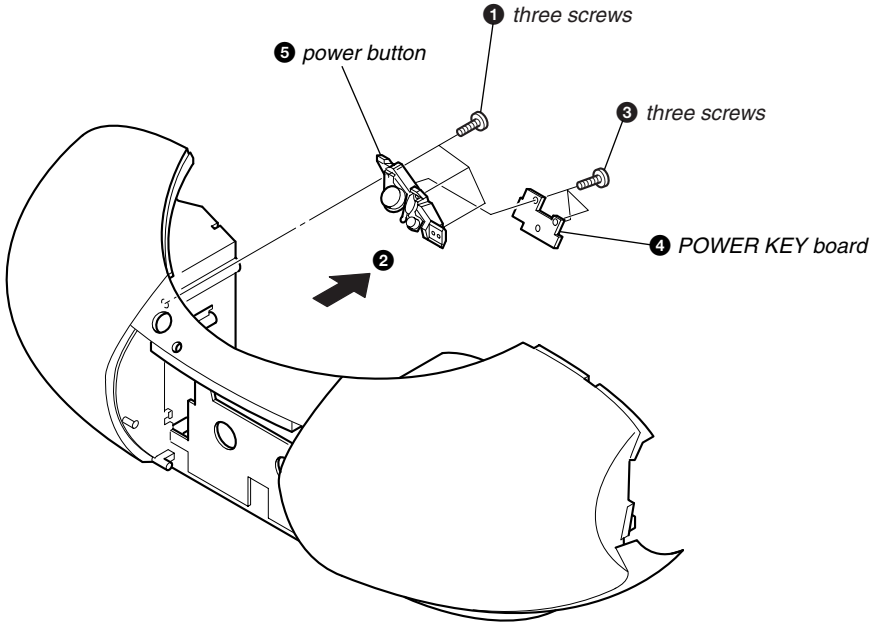
3-4. MD BLOCK



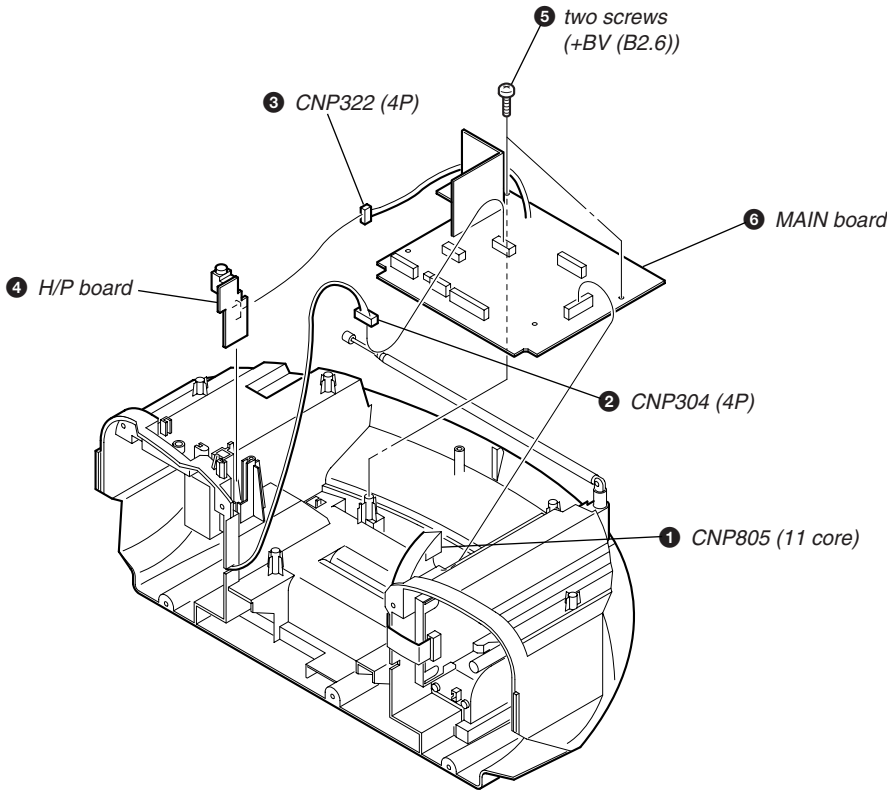
3-5. HOLDER (CASSETTE) SUB ASSY



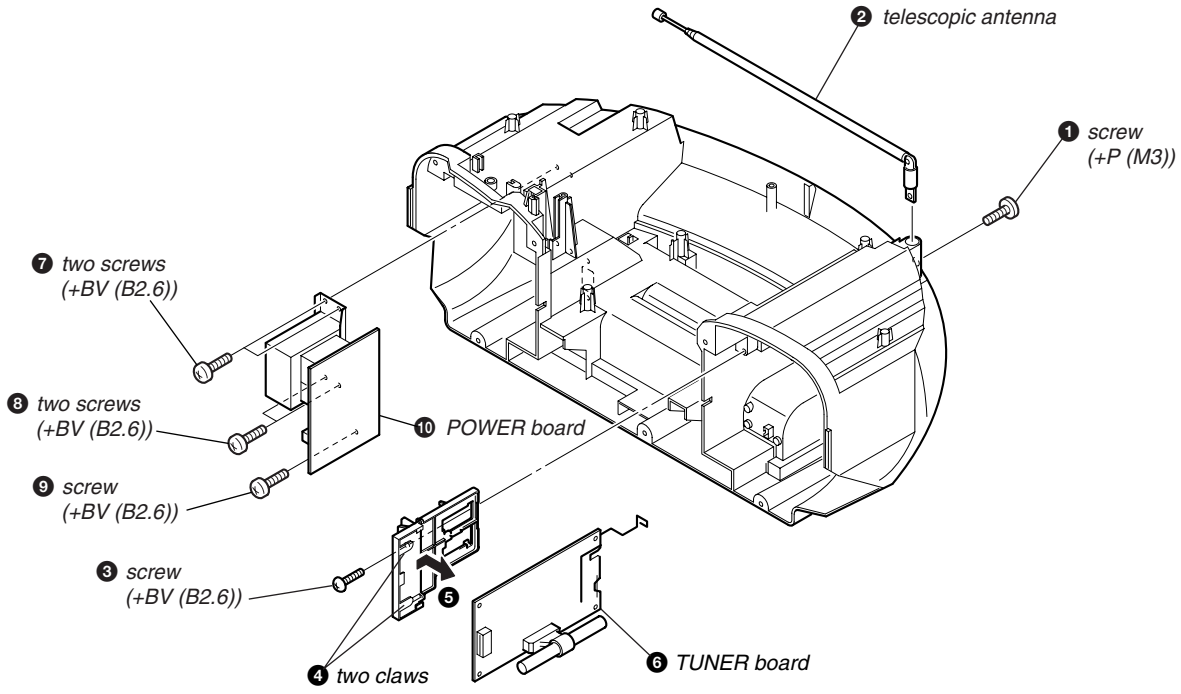
3-6. POWER KEY BOARD



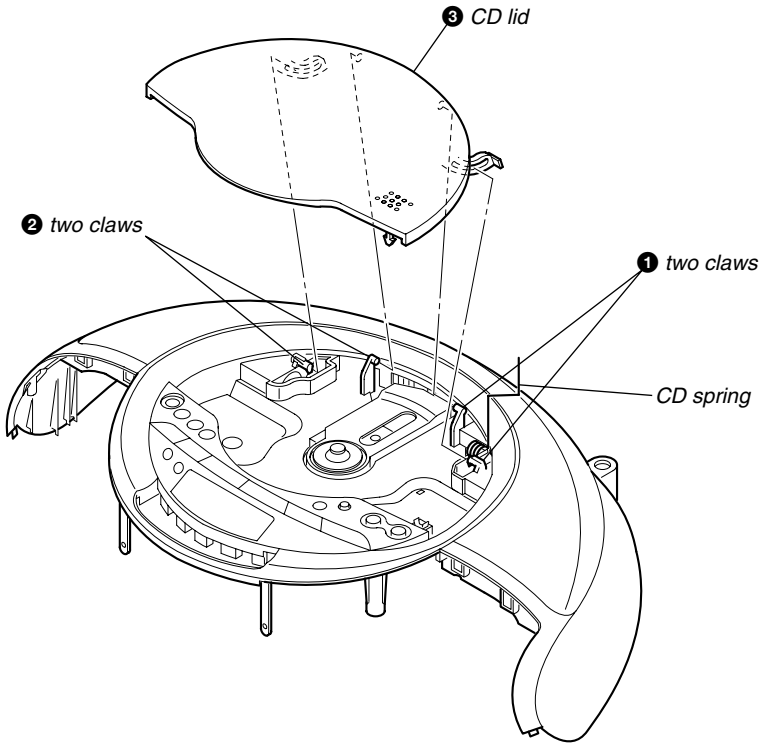
3-7. MAIN BOARD



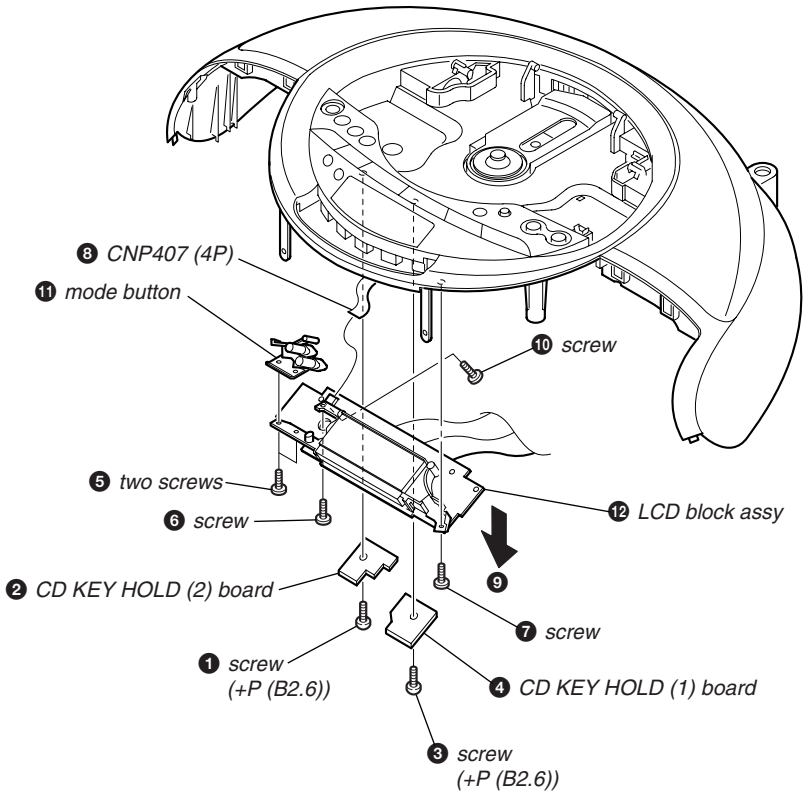
3-8. TUNER BOARD, POWER BOARD



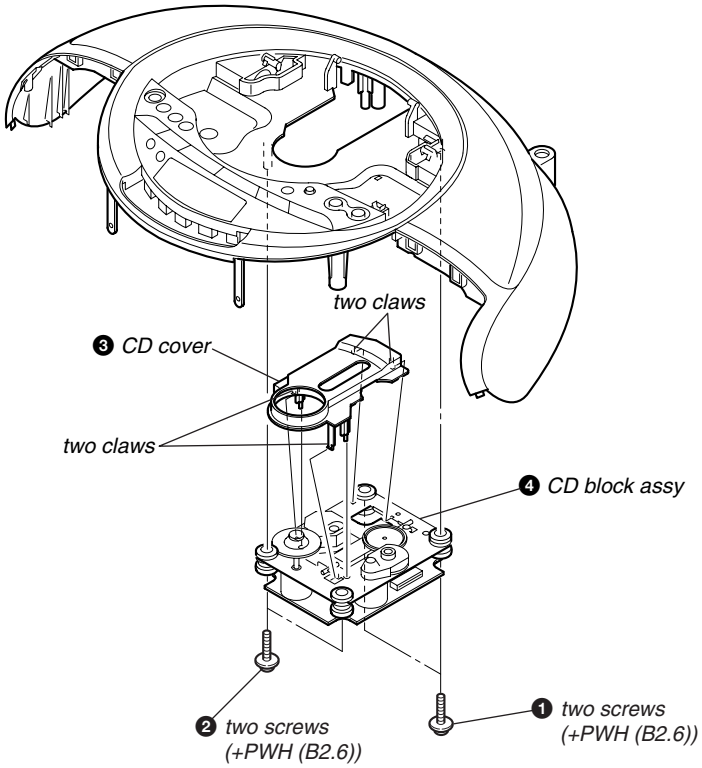
3-9. CD LID



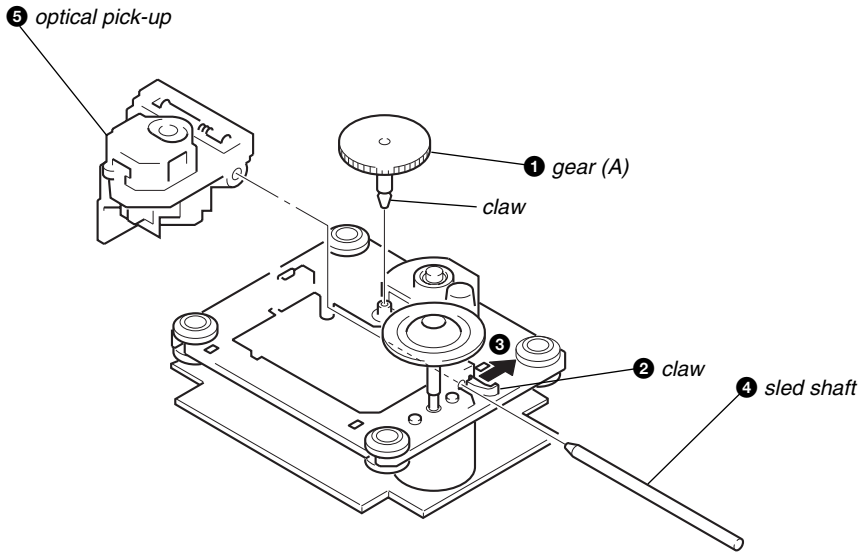
3-10. LCD BLOCK ASSY



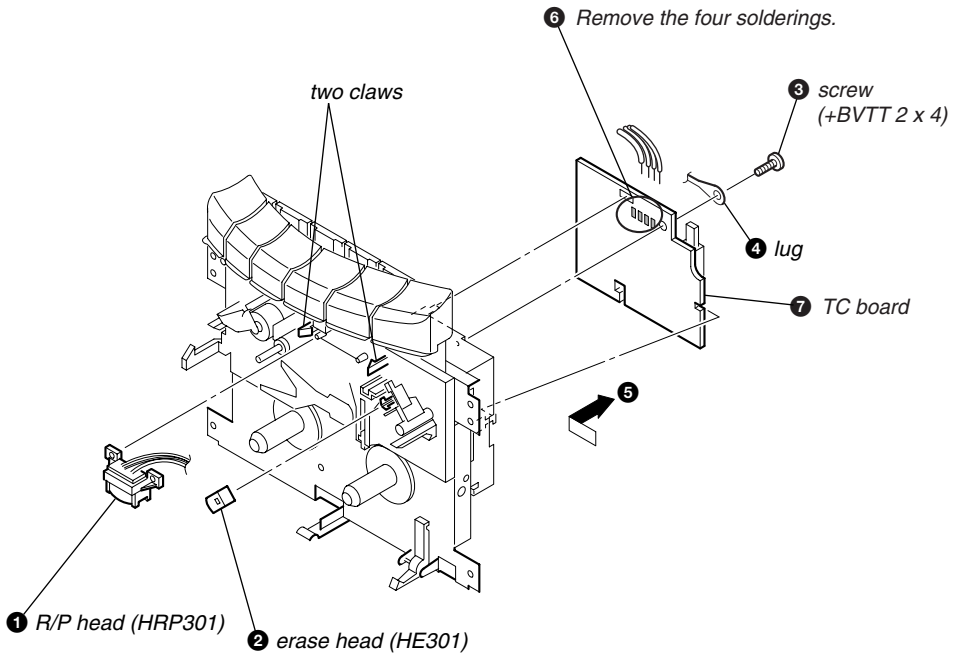
3-11. CD BLOCK ASSY



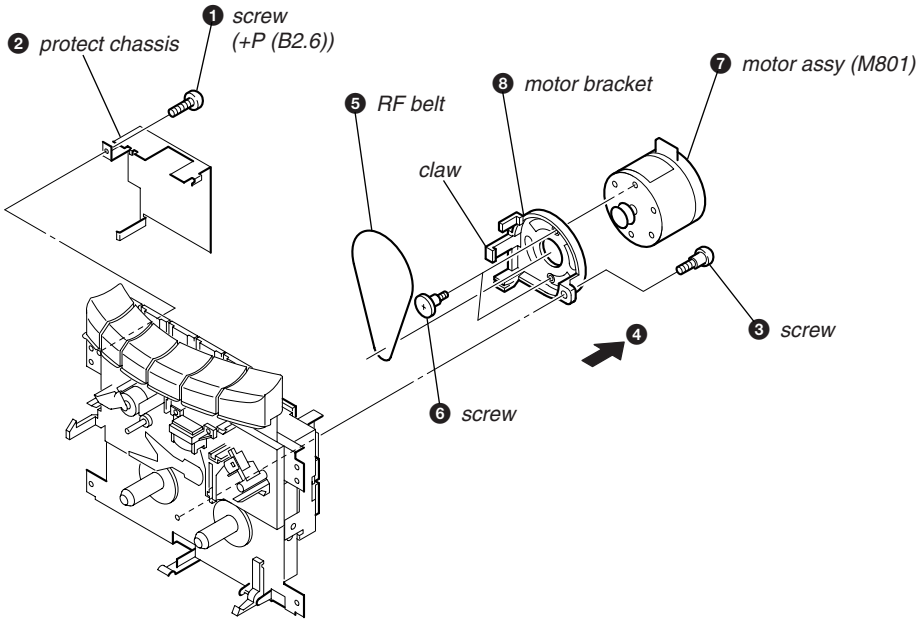
3-12. OPTICAL PICK-UP



3-13. R/P HEAD (HRP301), ERASE HEAD (HE301), TC BOARD



3-14. MOTOR ASSY (M801), RF BELT



SECTION 4
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab :
   record/playback head, erase head, capstan, pinch roller, rubber belts, idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head magnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. The adjustments should be performed with the rated power supply voltage (9V) unless otherwise noted.

Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102C	2.95 – 6.86 mN • m (30 – 70 g • cm) (0.42 – 0.97 oz • inch)
FWD Back Tension	CQ-102C	0.15 – 0.53 mN • m (1.5 – 5.5 g • cm) (0.021 – 0.076 oz • inch)
FF	CQ-201B	more than 5.88 mN • m (more than 60 g • cm) (more than 0.83 oz • inch)
REW	CQ-201B	more than 5.88 mN • m (more than 60 g • cm) (more than 0.83 oz • inch)

Tape Tension Measurement

Mode	Tension meter	Meter Reading
FWD	CQ-403A	more than 100 g (more than 3.53 oz)

SECTION 5
ELECTRICAL ADJUSTMENTS

TAPE SECTION **0 dB = 0.775 V**

• Standard Output Level

Output terminal	HP OUT
load impedance	32 Ω
output signal level	0.25 V (–10 dB)

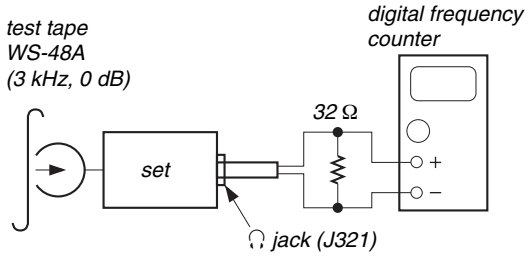
• Test Tape

Type	Signal	Used for
WS-48A	3 kHz, 0 dB	tape speed adjustment

Tape Speed Adjustment

Procedure:

Mode: playback



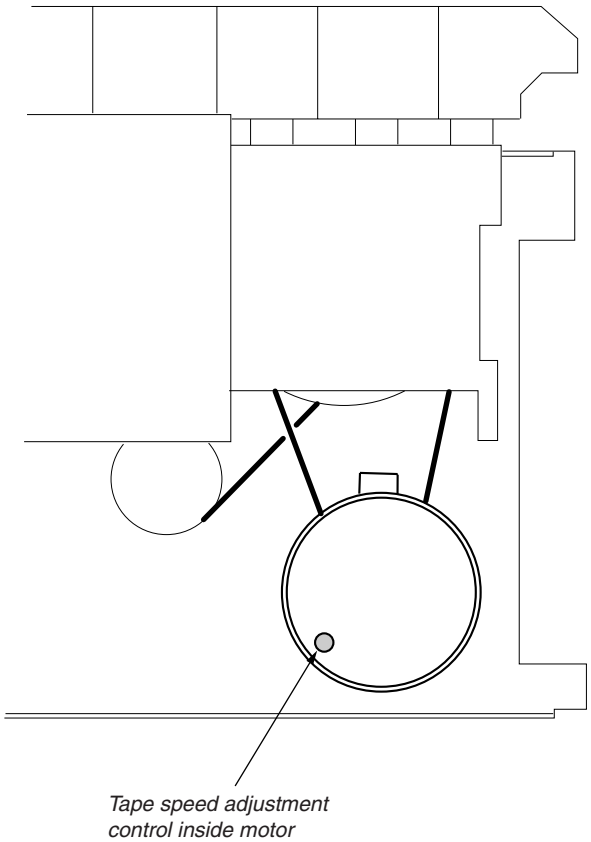
Adjust so that the value on the digital frequency counter is 3,000 Hz.

Specification Value:

Digital frequency counter
2,910 to 3,090 Hz

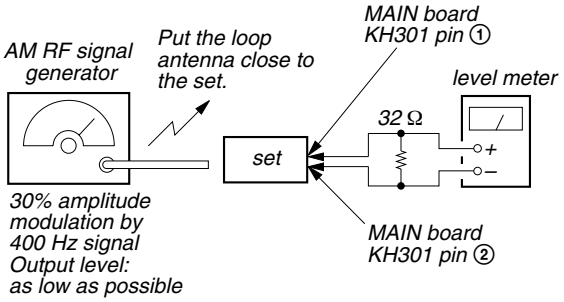
Adjust so that the frequency at the beginning and that at the end of tape winding are between 2,910 to 3,090 Hz.

Adjustment Location:

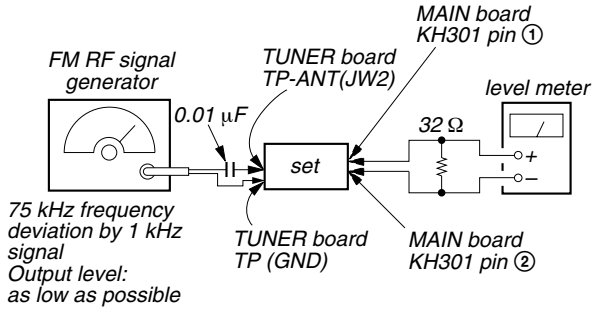


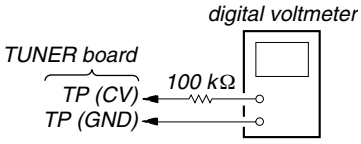
TUNER SECTION | 0 dB = 1 μV

[AM]
Setting:
Function: RADIO
Band: AM or MW or LW



[FM]
Setting:
Function: RADIO
BAND button: FM





- Repeat the procedures in each adjustment several times, and the tracking adjustments should be finally done by the trimmer capacitors.
- Remove FM antenna in FM adjustment.

AM IF ADJUSTMENT	
Adjust for a maximum reading on level meter	
T1	450 kHz

AM FREQUENCY COVERAGE ADJUSTMENT (CFD-S350)		
Adjustment Part	Frequency Display	Reading on Digital Voltmeter
L4	531 kHz	1.0 ± 0.05 V
Confirmation	1,611 kHz	4.8 ± 0.7 V

AM TRACKING ADJUSTMENT (CFD-S350)	
Adjust for a maximum reading on level meter	
L3	621 kHz
CT3	1,404 kHz

MW FREQUENCY COVERAGE CONFIRMATION (CFD-S350L)	
Frequency Display	Reading on Digital Voltmeter
531 kHz	0.9 ± 0.4 V
1,611 kHz	5.2 ± 0.5 V

MW TRACKING ADJUSTMENT (CFD-S350L)	
Adjust for a maximum reading on level meter	
L3-1	621 kHz
CT3	1,404 kHz

LW FREQUENCY COVERAGE ADJUSTMENT (CFD-S350L)		
Adjustment Part	Frequency Display	Reading on Digital Voltmeter
Confirmation	153 kHz	0.6 ± 0.05 V
L4	279 kHz	5.3 ± 0.5 V

LW TRACKING ADJUSTMENT (CFD-S350L)	
Adjust for a maximum reading on level meter	
L3-2	162 kHz
CT5	261 kHz

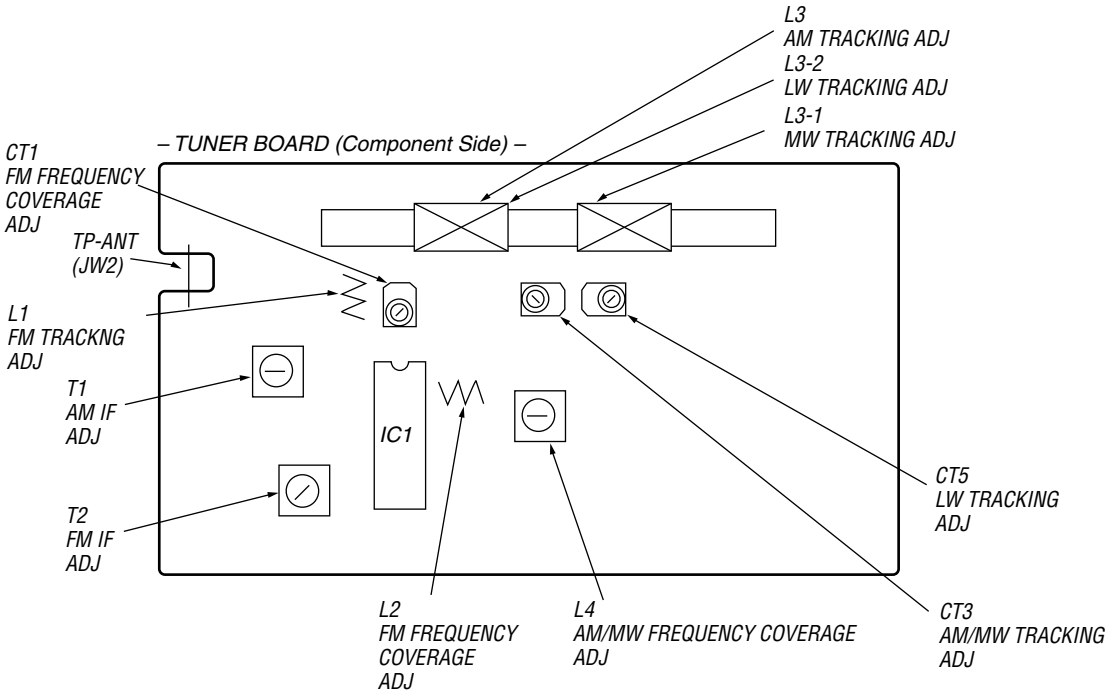
FM IF ADJUSTMENT	
Adjust for a minimum reading on level meter	
T2	10.7 MHz

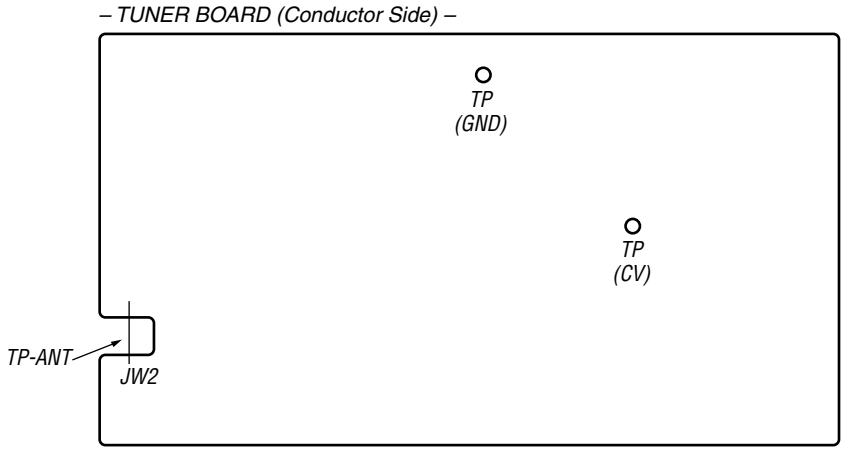
FM FREQUENCY COVERAGE ADJUSTMENT		
Adjustment Part	Frequency Display	Reading on Digital Voltmeter
L2	108 MHz	3.0 ± 0.2 V
Confirmation	87.5 MHz	1.3 ± 0.3 V

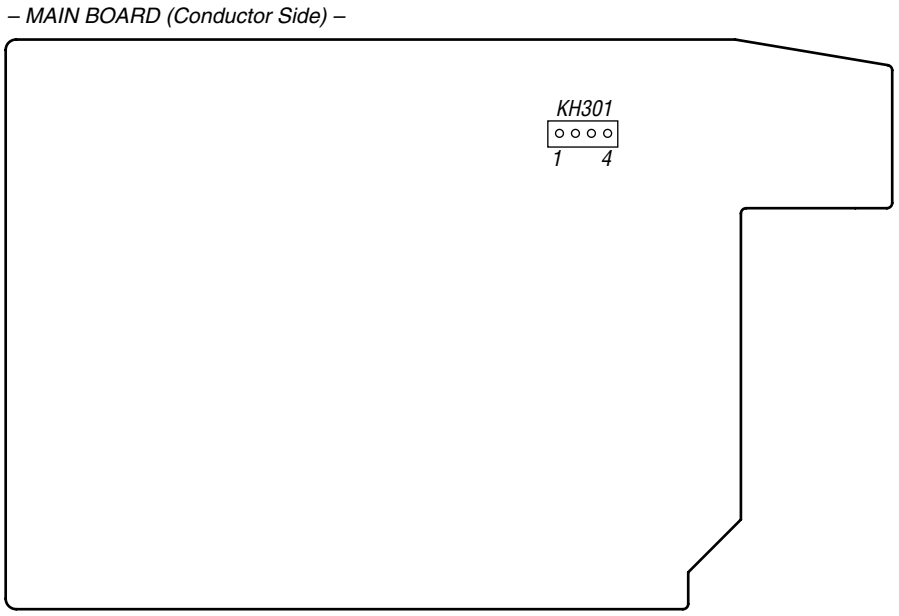
FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter	
L1	87.5 MHz
CT1	108 MHz

Adjustment and Connecting Location:
TUNER and MAIN board (See page 16)

Adjustment and Connecting Location:







CD SECTION

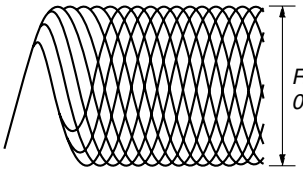
CD section adjustments are done automatically in this set.
In case of operation check, confirm that focus bias.

FOCUS BIAS CHECK

1. Connect the oscilloscope between IC701 pin ④ and pin ⑪ (or TP (RF) and TP (VREF)).
2. Insert the disc (YEDS-18). (Part No. : 3-702-101-01)
3. Press the ► ❚❚ (CD) button.
4. Confirm that the oscilloscope waveform is as shown in the figure below. (eye pattern)
   A good eye pattern means that the diamond shape (◇) in the center of the waveform can be clearly distinguished.

• RF signal reference waveform (eye pattern)

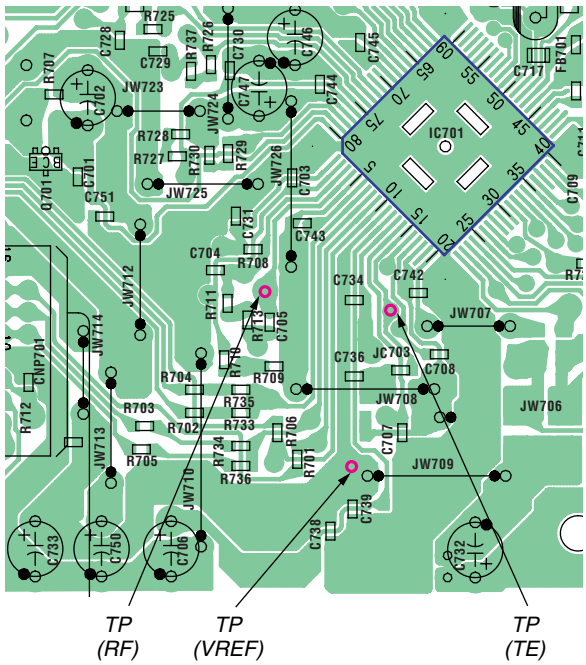
VOLT/DIV : 50 mV (10 : 1 probe in use)
TIME/DIV : 500 nS



When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

Test Point:

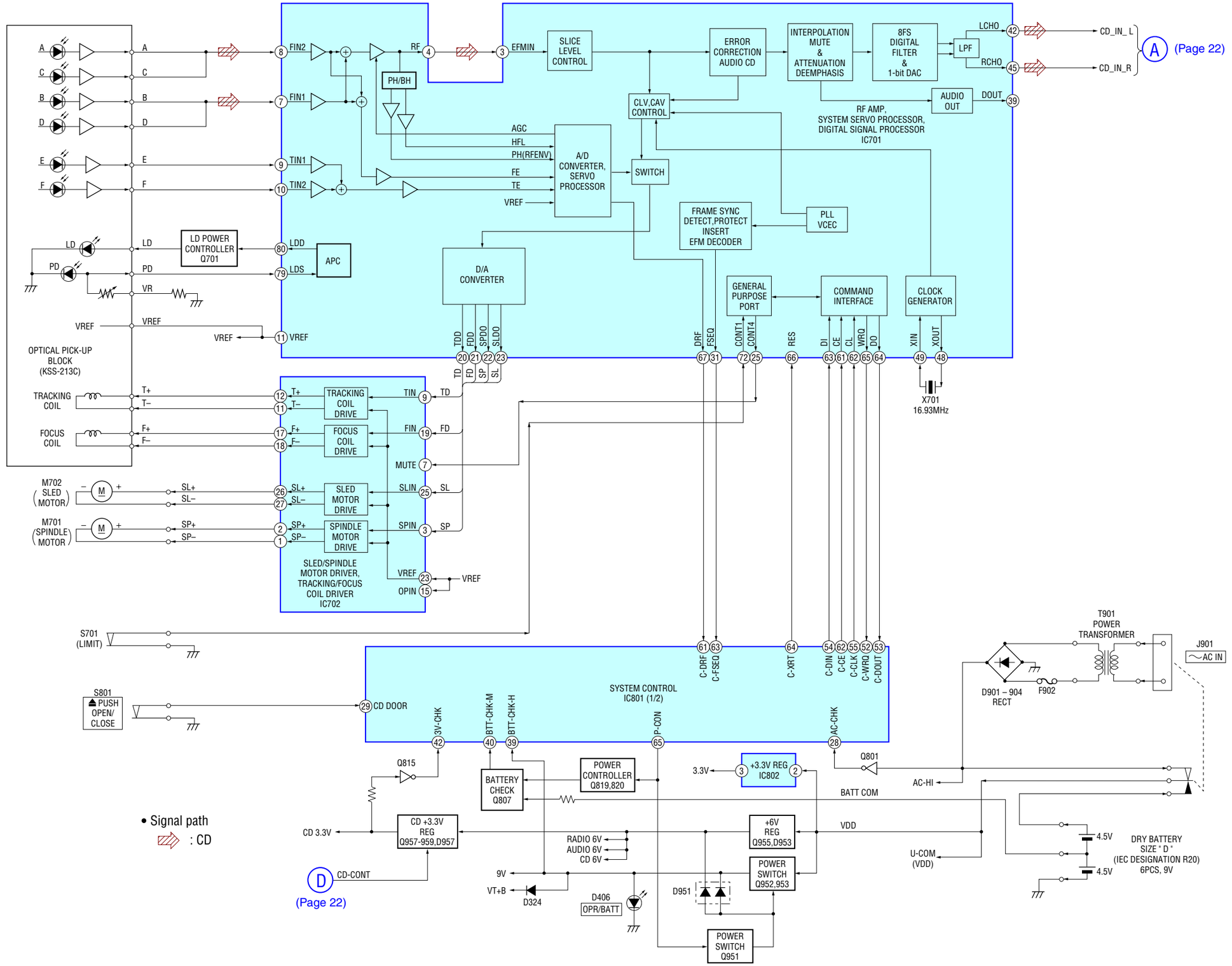
– CD board (conductor side) –



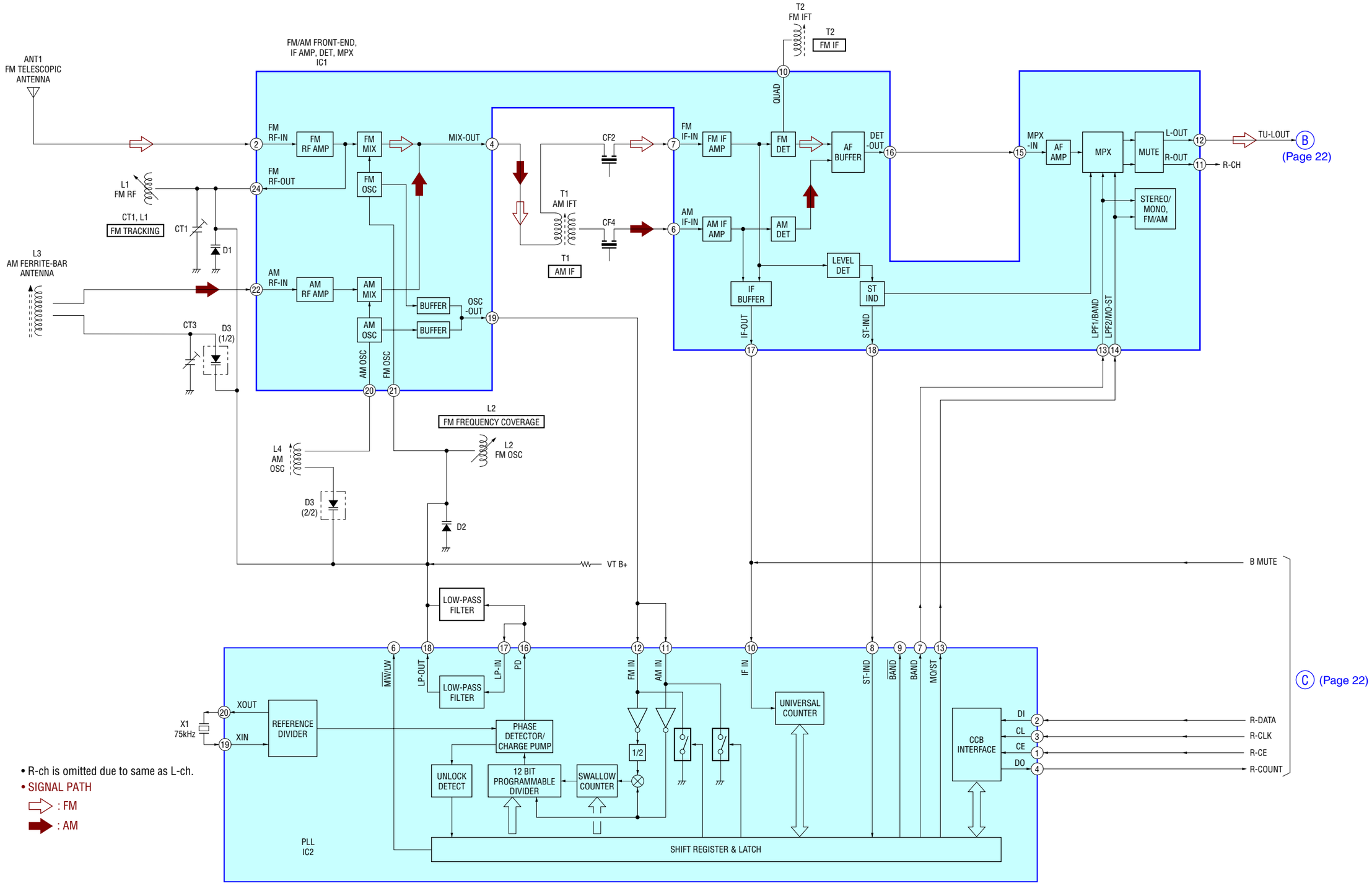
MEMO

SECTION 6
DIAGRAMS

6-1. BLOCK DIAGRAM — CD SECTION —

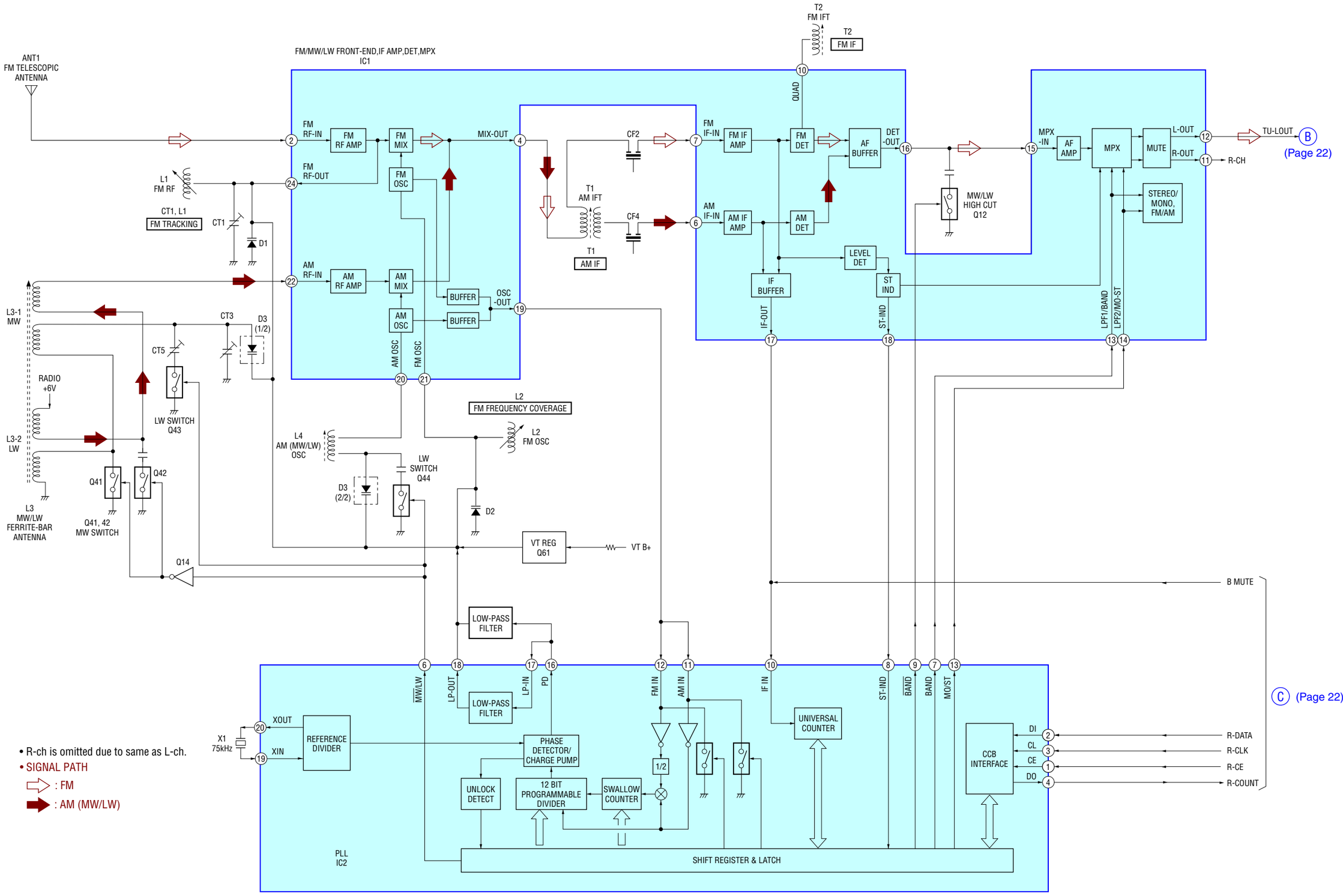


6-2. BLOCK DIAGRAM — TUNER SECTION (CFD-S350 MODEL) —

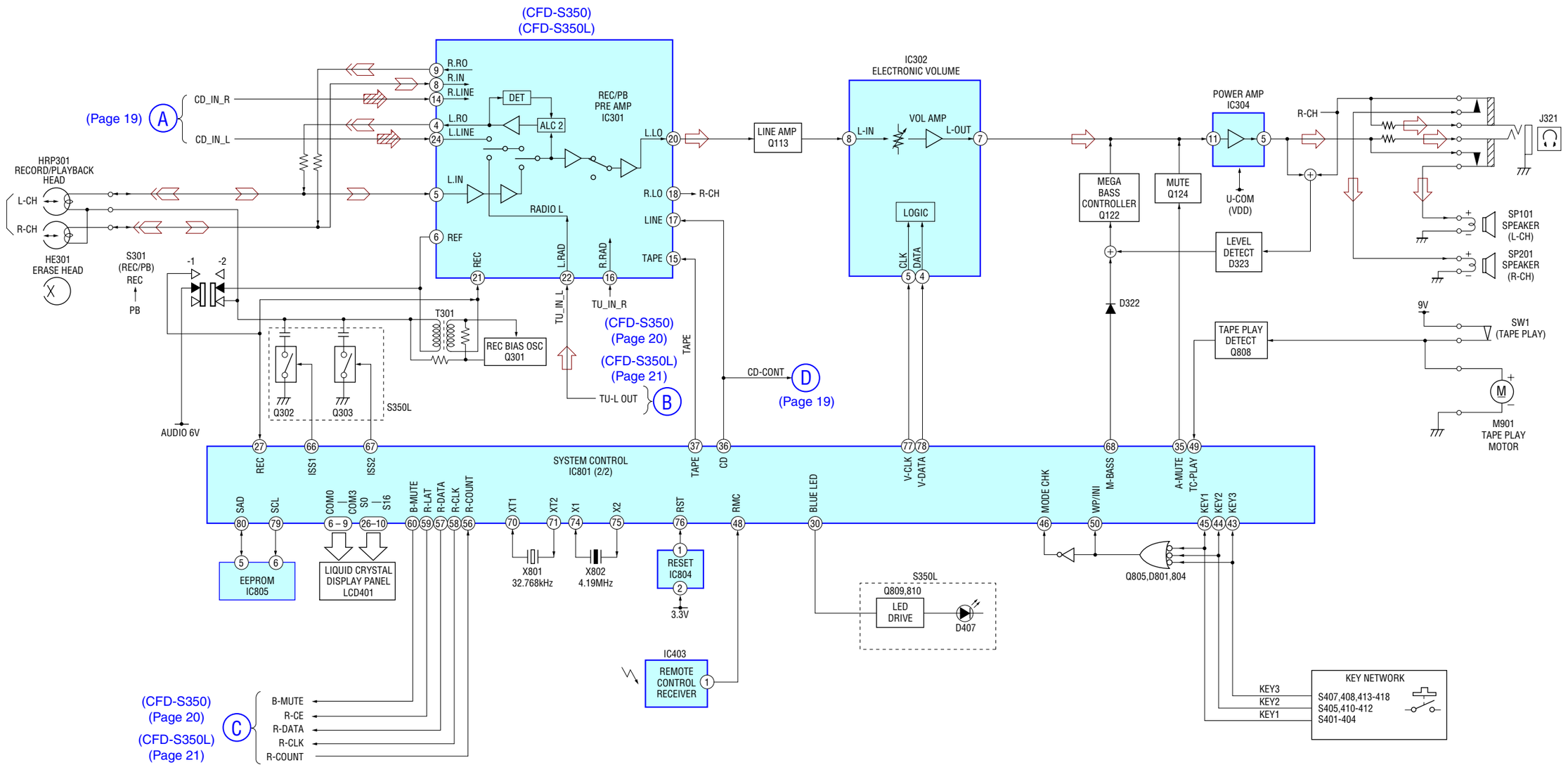


• R-ch is omitted due to same as L-ch.
• SIGNAL PATH
: FM
: AM

6-3. BLOCK DIAGRAM — TUNER SECTION (CFD-S350L MODEL) —



6-4. BLOCK DIAGRAM — MAIN SECTION —



- Signal path
  - : FM
  - : TAPE PLAY
  - : TAPE REC
  - : CD
- R-ch is omitted due to same as L-ch.

• NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

**THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)**

for schematic diagram:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

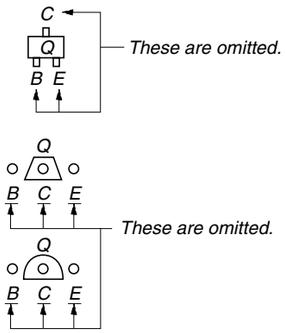
Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- ▬ : B+ Line.
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  – CD Board –
  no mark : CD PLAY
  – TUNER Board –
  no mark : FM
  ( ) : AM (MW)
  < > : LW
  – Other Boards –
  no mark : FM
  ( ) : PB
  < > : REC
  [ ] : CD PLAY
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ➡ : AM (MW/LW)
  : PB
  : REC
  ⇨ : CD PLAY
- Abbreviation
  CND : Canadian model.
  E92 : AC 120V area in E model.
  AUS : Australian model.
  KR : Korean model.
  MX : Mexican model.
  SP : Singapore model.
  TH : Thai model.
  TW : Taiwan model.

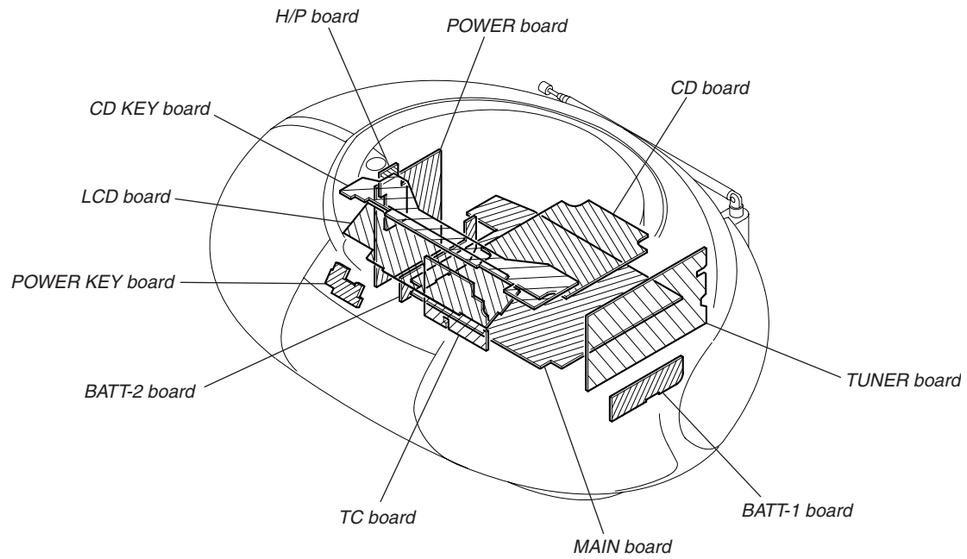
for printed wiring boards:

- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ⊡← : indicates side identified with part number.
- △ : internal component.
- ▬ : Pattern from the side which enables seeing. (The other layer's patterns are not indicated.)

Caution:
Pattern face side: (Conductor Side) Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side) Parts on the parts face side seen from the parts face are indicated.



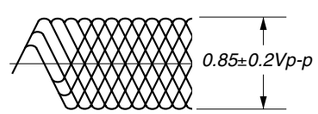
6-5. CIRCUIT BOARDS LOCATION



• Waveforms

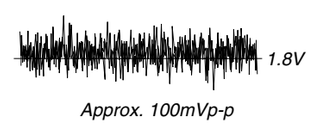
— CD BOARD — (CD PLAY)

① IC701 ④ (RF)



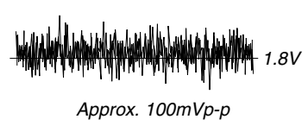
500mV/div, 0.5μsec/div

③ IC701 ⑮ (TE)



100mV/div, 20μsec/div

② IC701 ⑬ (FE)



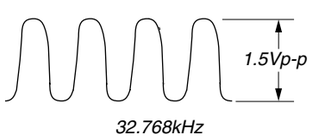
100mV/div, 20μsec/div

④ IC701 ㊽ (XOUT)

1V/div, 0.05μsec/div

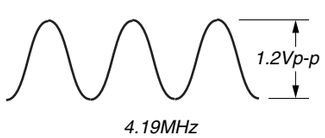
— MAIN BOARD —

① IC801 ㉛ (XT2)



2V/div, 10μsec/div

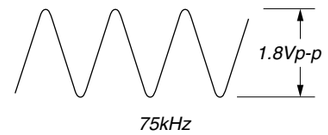
② IC801 ㉟ (X2)



2V/div, 10μsec/div

— TUNER BOARD — (CFD-S350) (CFD-S350L)

① IC2 ⑳ (XOUT)



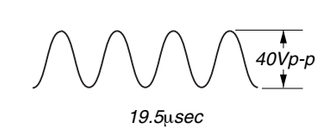
0.5V/div, 5μsec/div

— TC BOARD —

① Q301 ⓒ (REC)

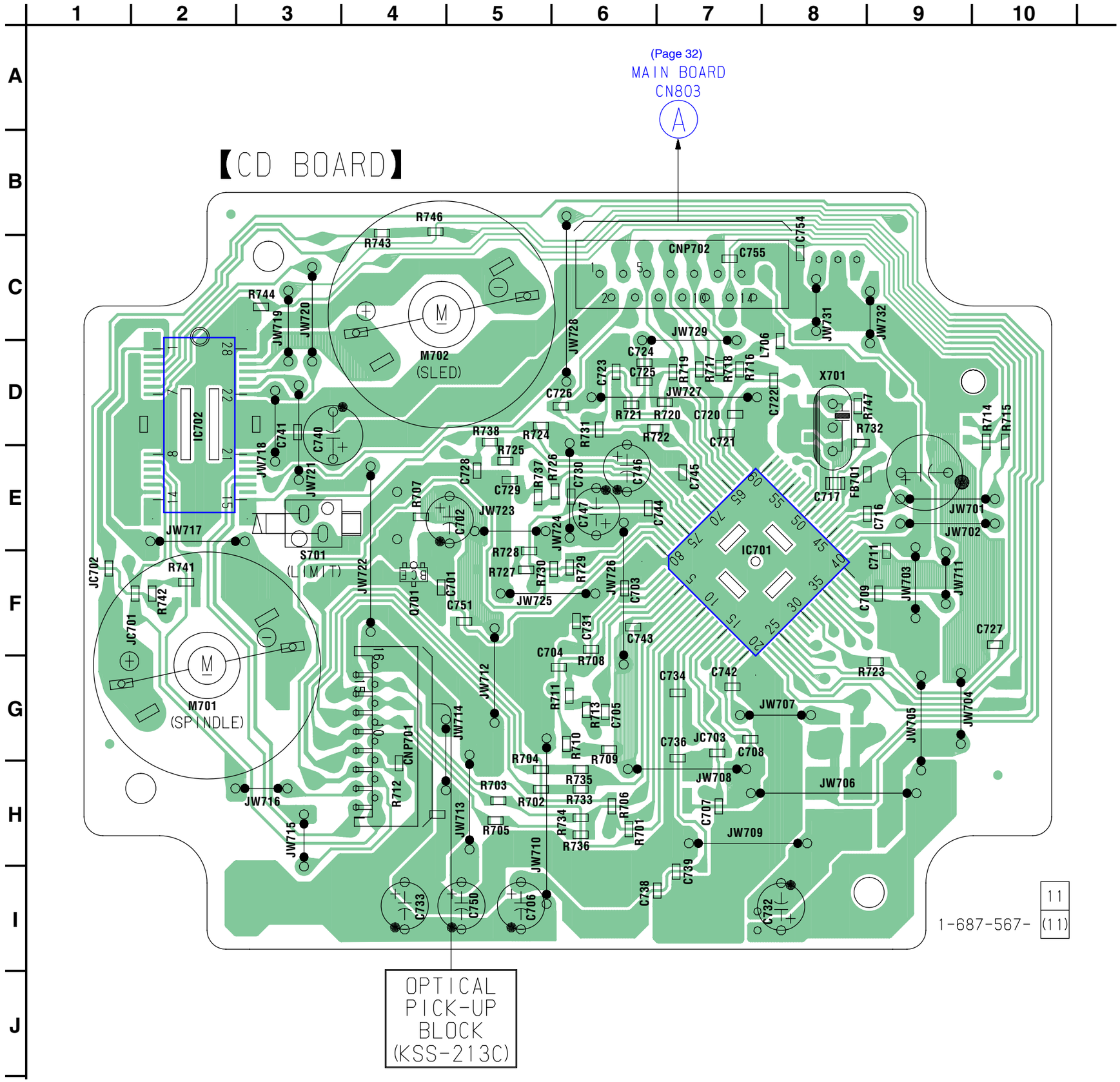
0.1V/div, 5μsec/div

② T301, HRP301 (YEL)

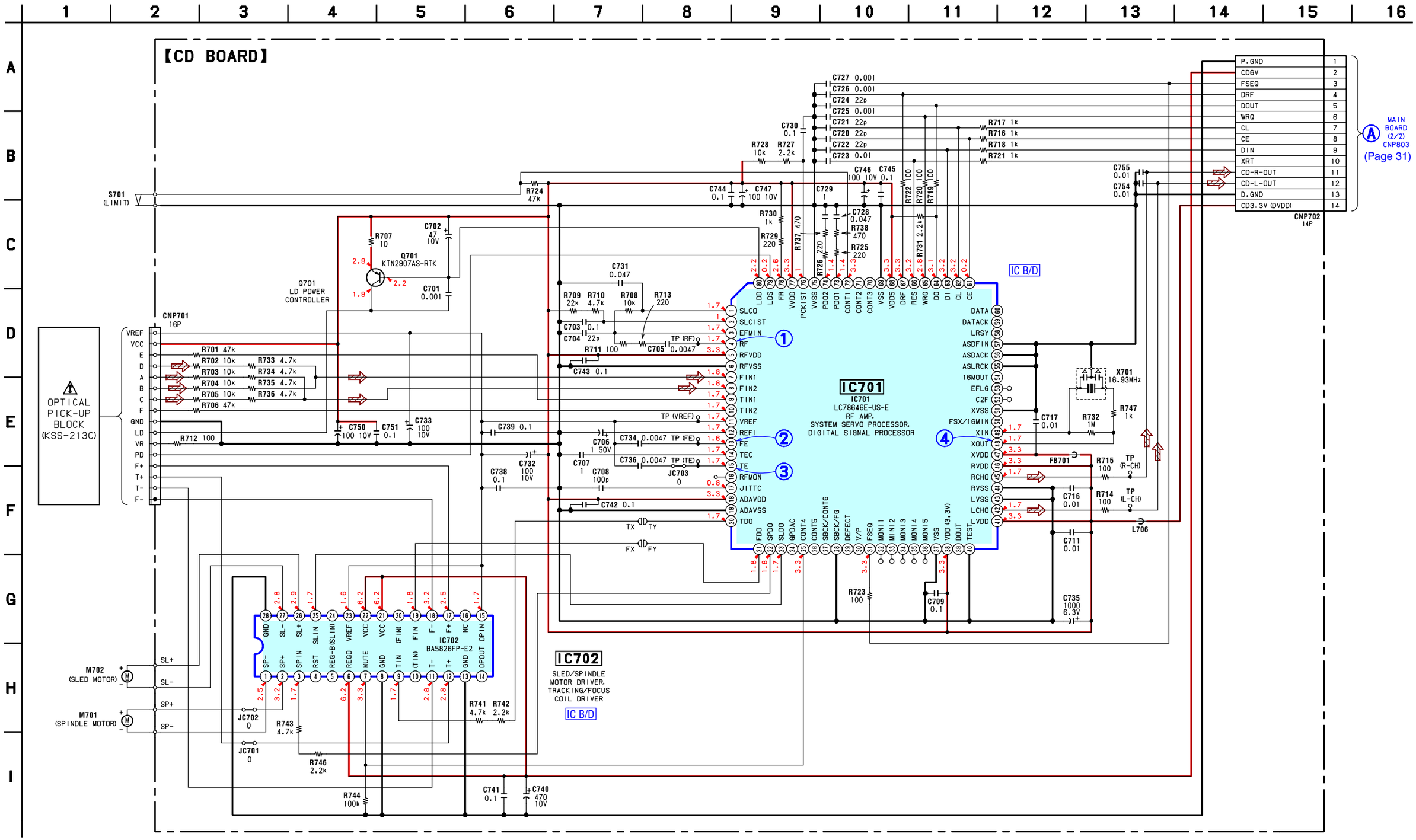


10V/div, 5μsec/div

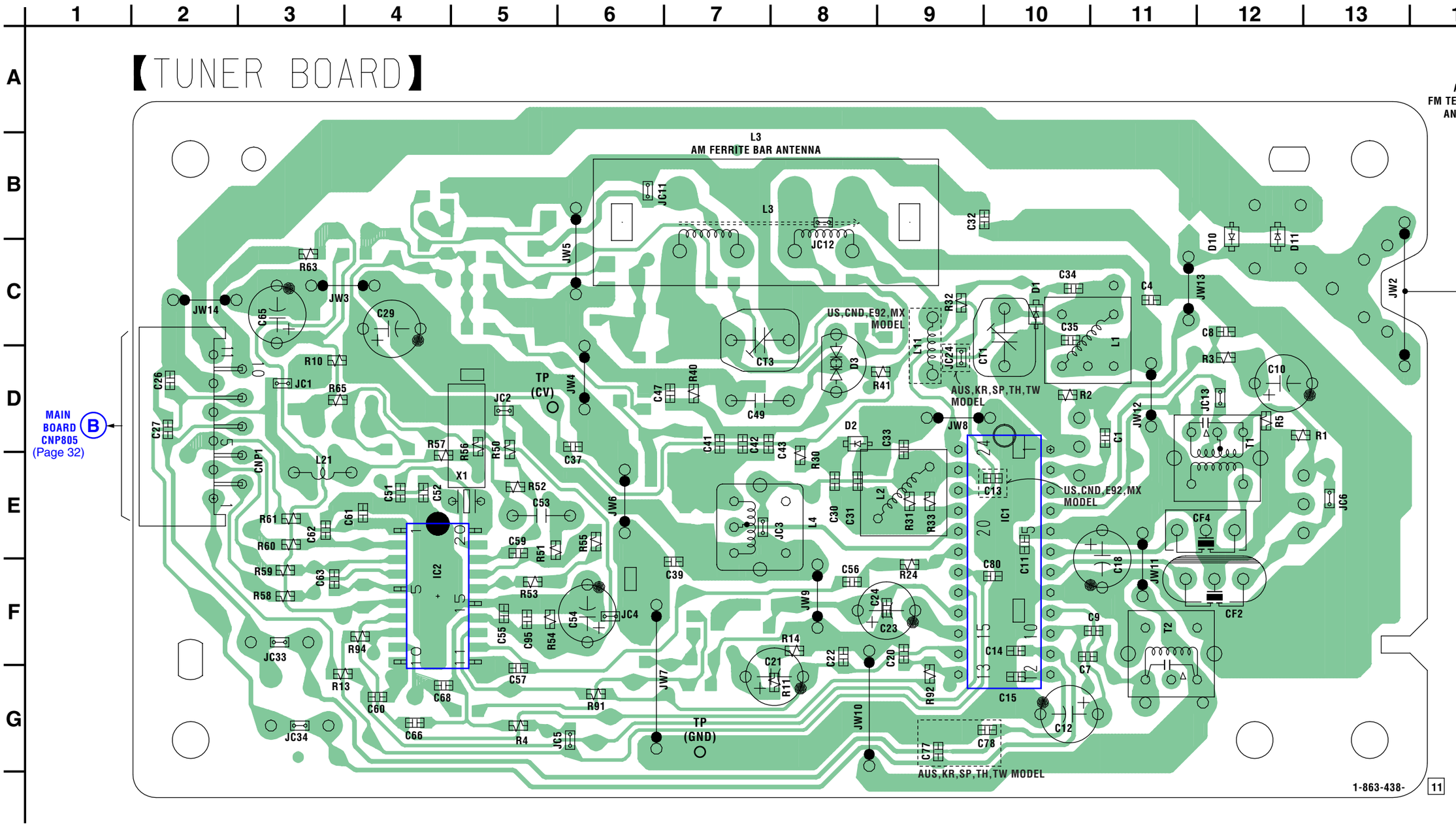
6-6. PRINTED WIRING BOARD — CD SECTION — • Refer to page 23 for Circuit Boards Location. : Uses unleaded solder.



6-7. SCHEMATIC DIAGRAM — CD SECTION — • Refer to page 23 for Waveforms. • Refer to page 39 for IC Block Diagrams.



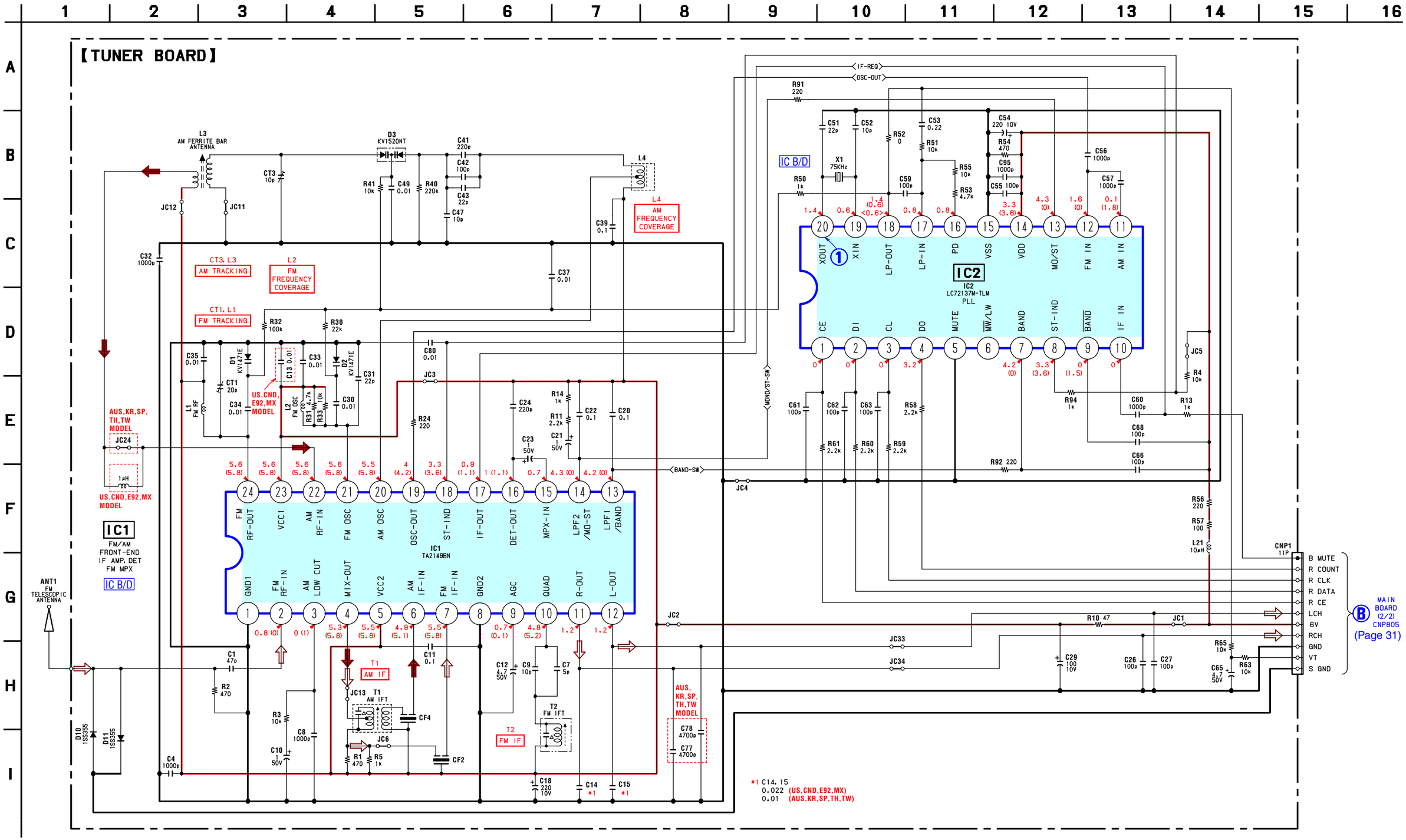
6-8. PRINTED WIRING BOARD — TUNER SECTION (CFD-S350 MODEL) — • Refer to page 23 for Circuit Boards Location. : Uses unleaded solder.



• **Semiconductor Location**

Ref. No.	Location
D1	C-10
D2	D-8
D3	D-8
D10	B-12
D11	B-12
IC1	E-10
IC2	F-4

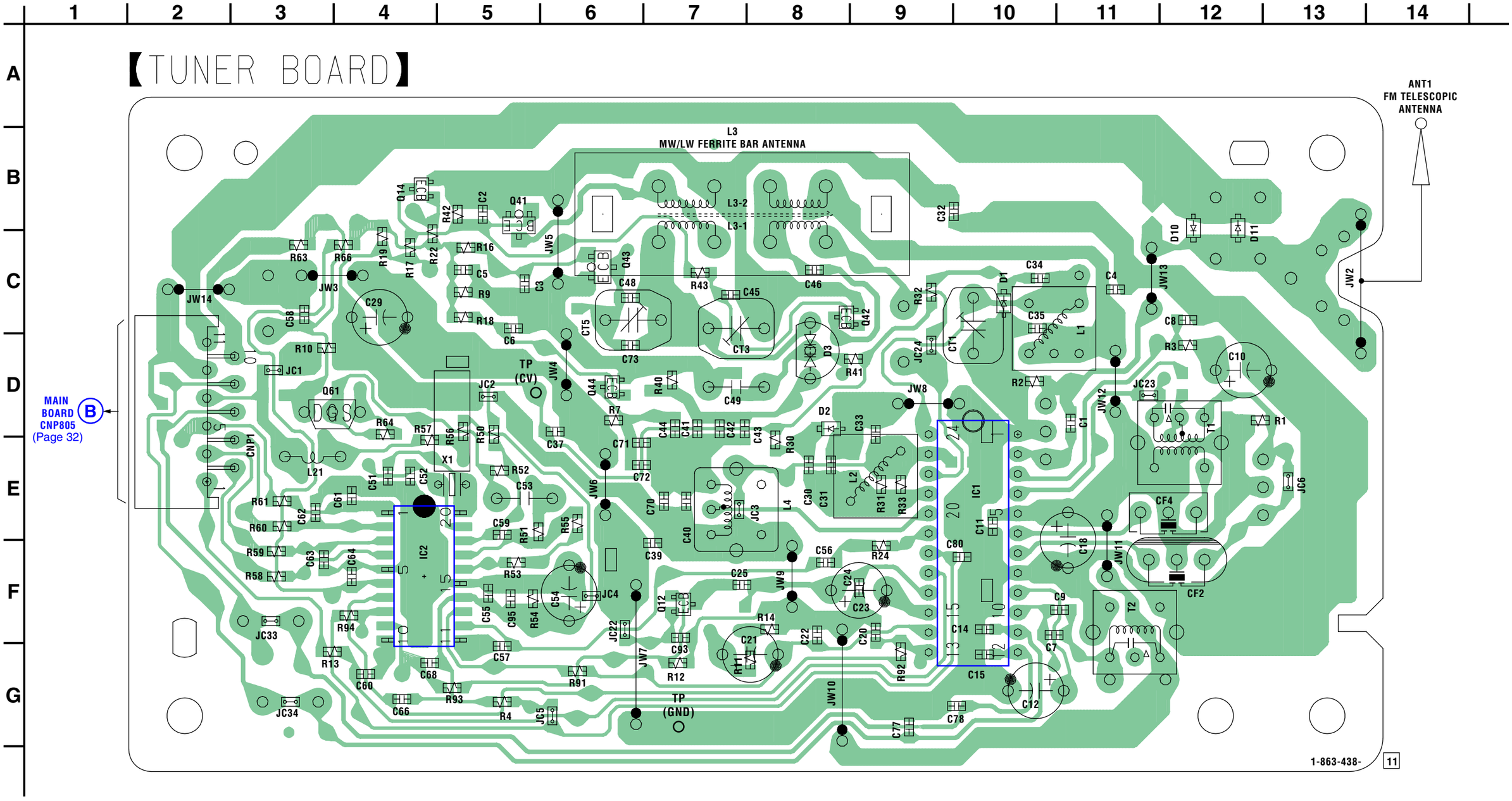
6-9. SCHEMATIC DIAGRAM — TUNER SECTION (CFD-S350 MODEL) — • Refer to page 23 for Waveforms. • Refer to page 40 for IC Block Diagrams.



6-10. PRINTED WIRING BOARD — TUNER SECTION (CFD-S350L MODEL) —

• Refer to page 23 for Circuit Boards Location.

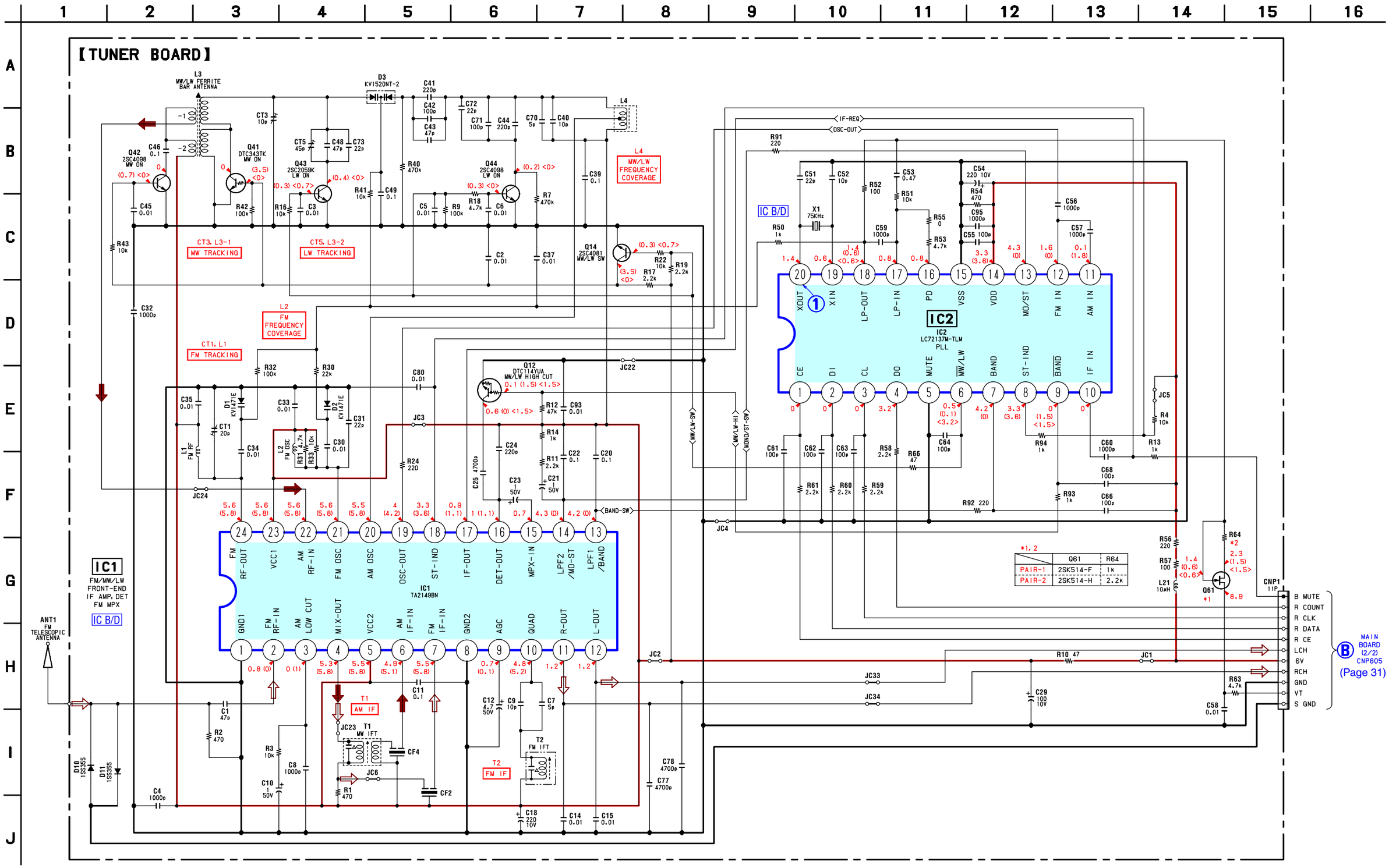
: Uses unleaded solder.



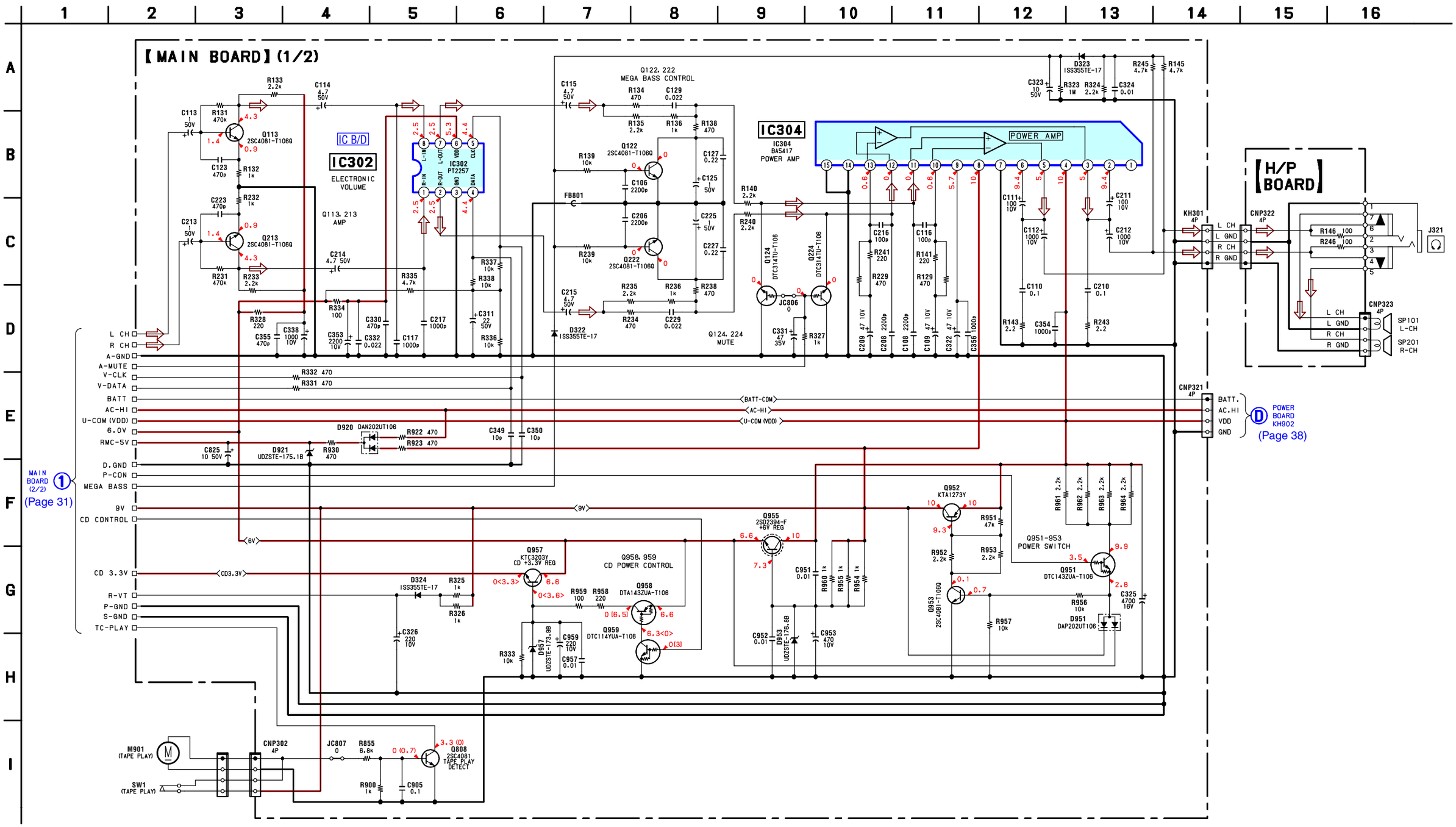
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D1	C-10	Q12	F-7
D2	D-8	Q14	B-4
D3	D-8	Q41	B-5
D10	B-12	Q42	C-9
D11	B-12	Q43	C-6
		Q44	D-6
IC1	E-10	Q61	D-3
IC2	F-4		

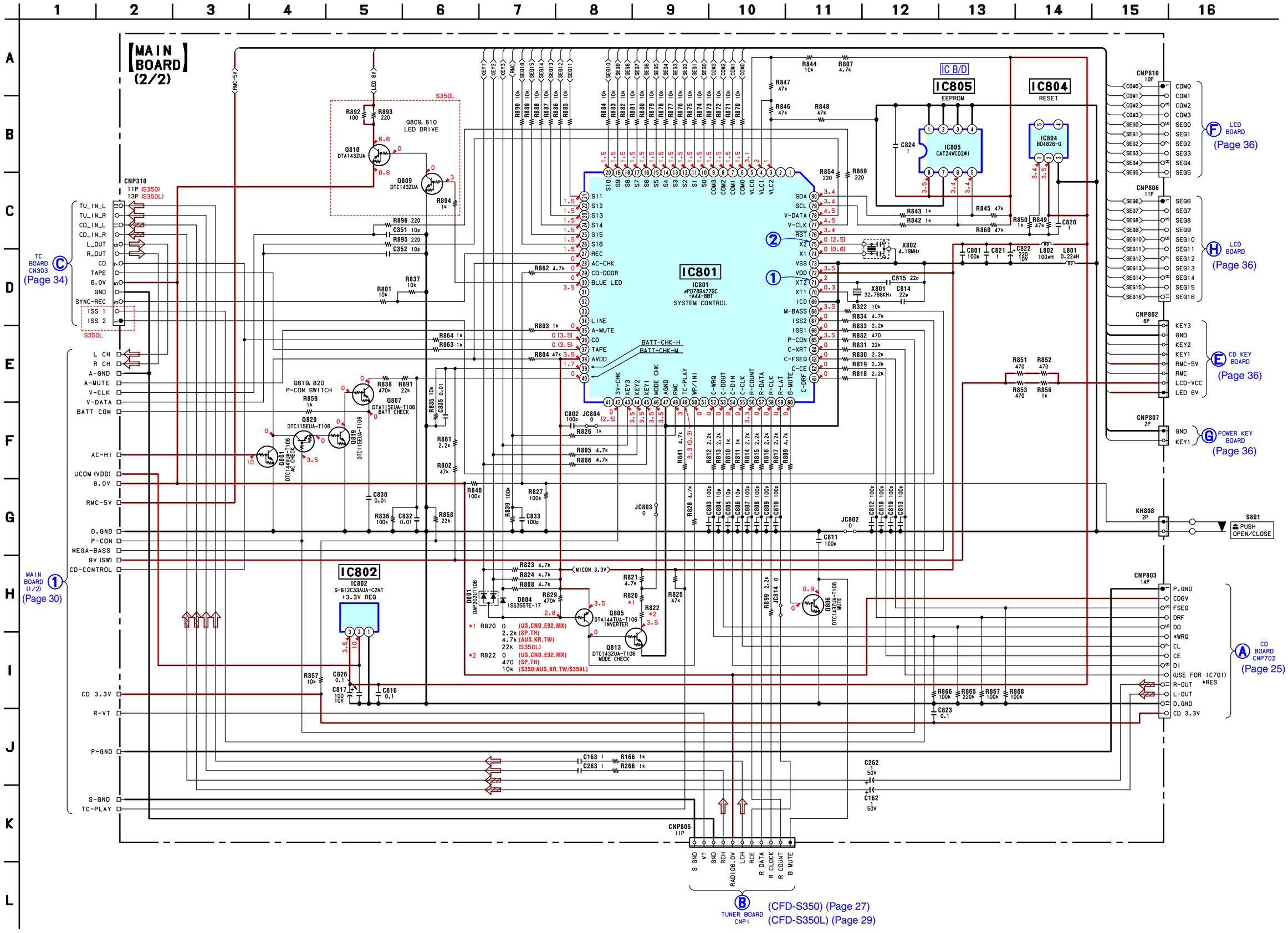
6-11. SCHEMATIC DIAGRAM — TUNER SECTION (CFD-S350L MODEL) — • Refer to page 23 for Waveforms. • Refer to page 40 for IC Block Diagrams.



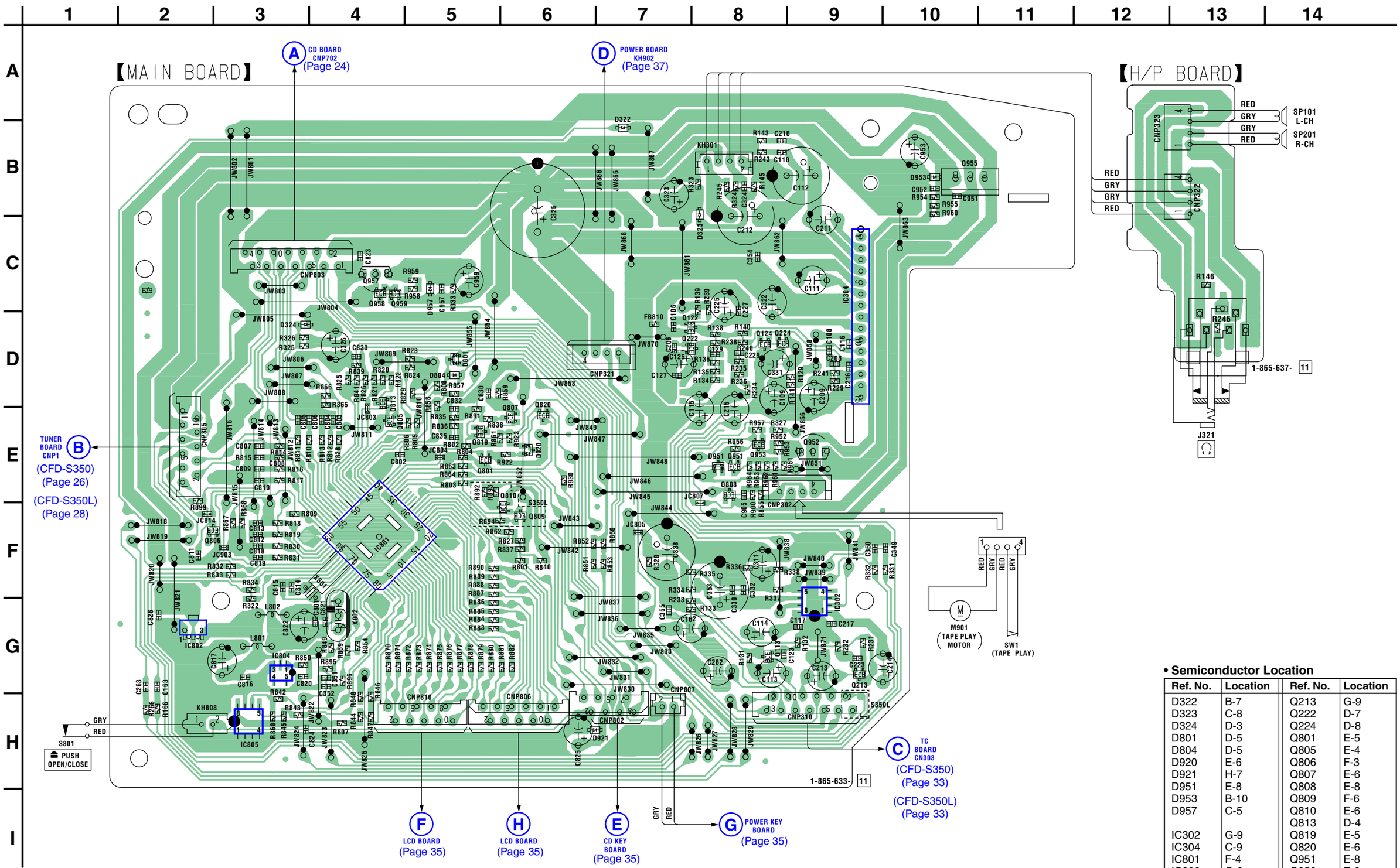
6-12. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) — • Refer to page 41 for IC Block Diagrams.



6-13. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 23 for Waveforms. • Refer to page 42 for IC Pin Description of IC801. • Refer to page 41 for IC Block Diagrams.



6-14. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 23 for Circuit Boards Location. : Uses unleaded solder.



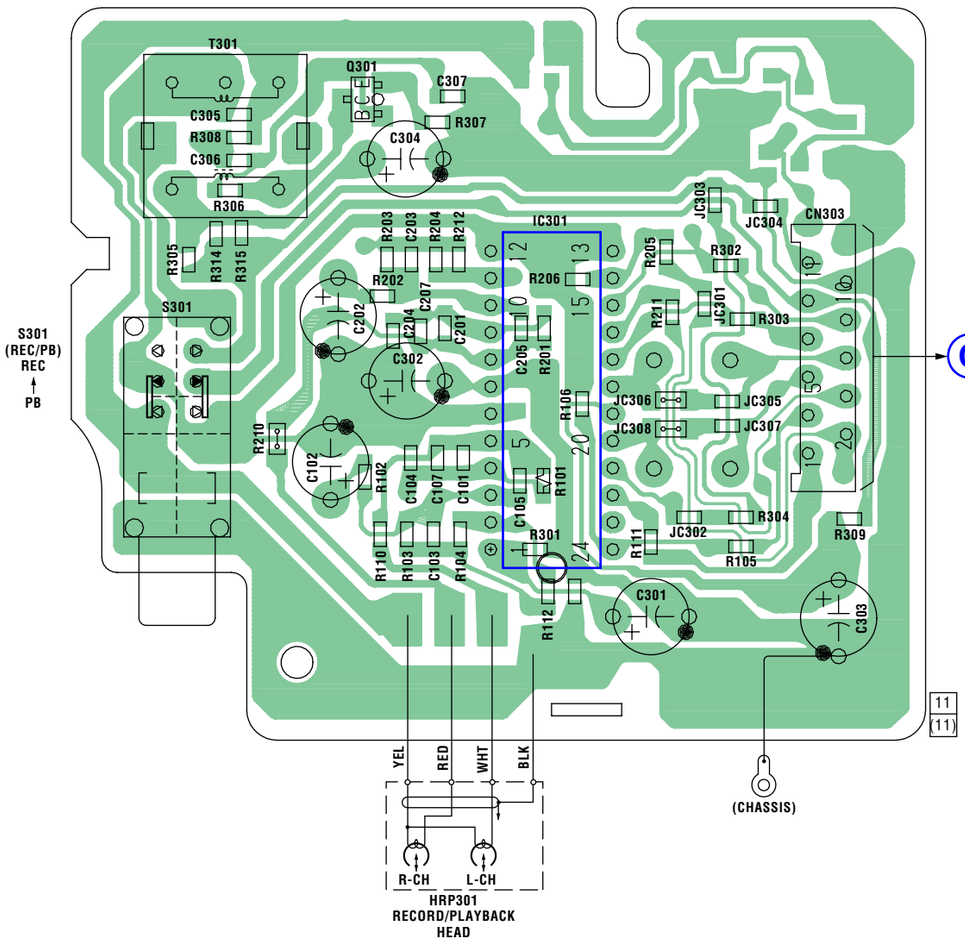
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D322	B-7	Q213	G-9
D323	C-8	Q222	D-7
D324	D-3	Q224	D-8
D801	D-5	Q801	E-5
D804	D-5	Q805	E-4
D920	E-6	Q806	F-3
D921	H-7	Q807	E-6
D951	E-8	Q808	E-8
D953	B-10	Q809	F-6
D957	C-5	Q810	E-6
		Q813	D-4
IC302	G-9	Q819	E-5
IC304	C-9	Q820	E-6
IC801	F-4	Q951	E-8
IC802	G-2	Q952	E-9
IC804	G-3	Q953	E-8
IC805	H-3	Q955	B-10
		Q957	C-4
Q113	G-8	Q958	C-4
Q122	D-7	Q959	C-4
Q124	D-8		

6-15. PRINTED WIRING BOARD — TC SECTION — • Refer to page 23 for Circuit Boards Location. : Uses unleaded solder.

CFD-S350

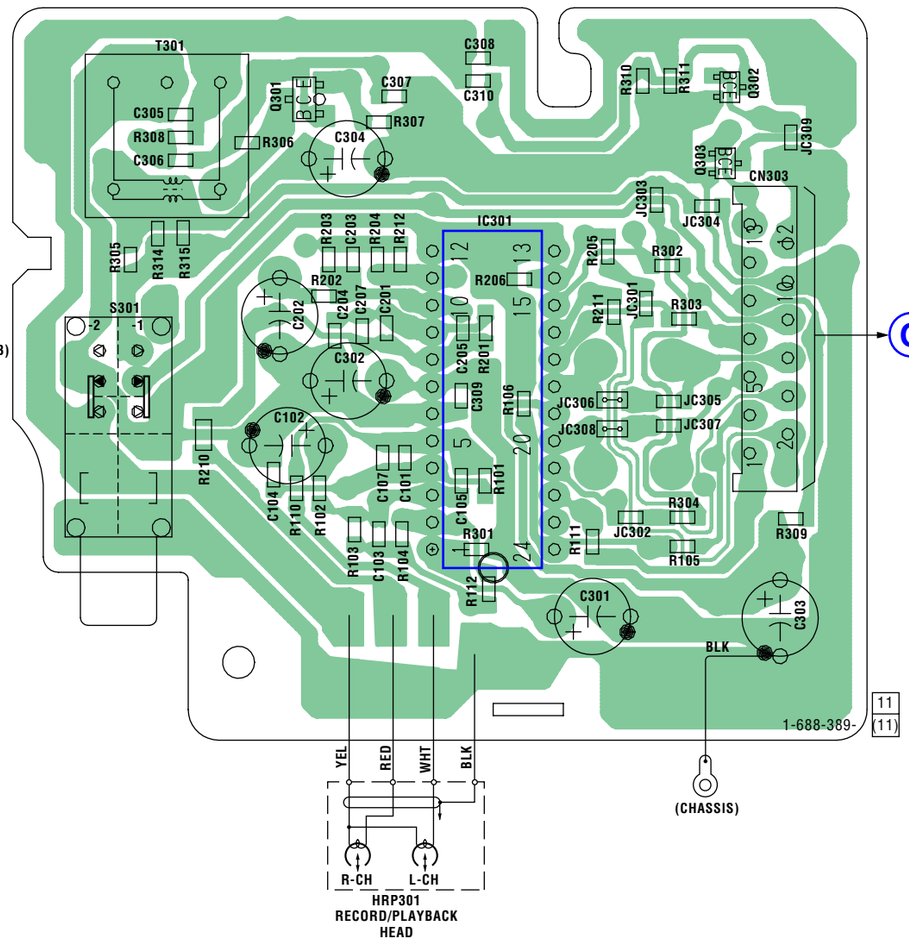
【TC BOARD】



C MAIN BOARD CNP310 (Page 32)

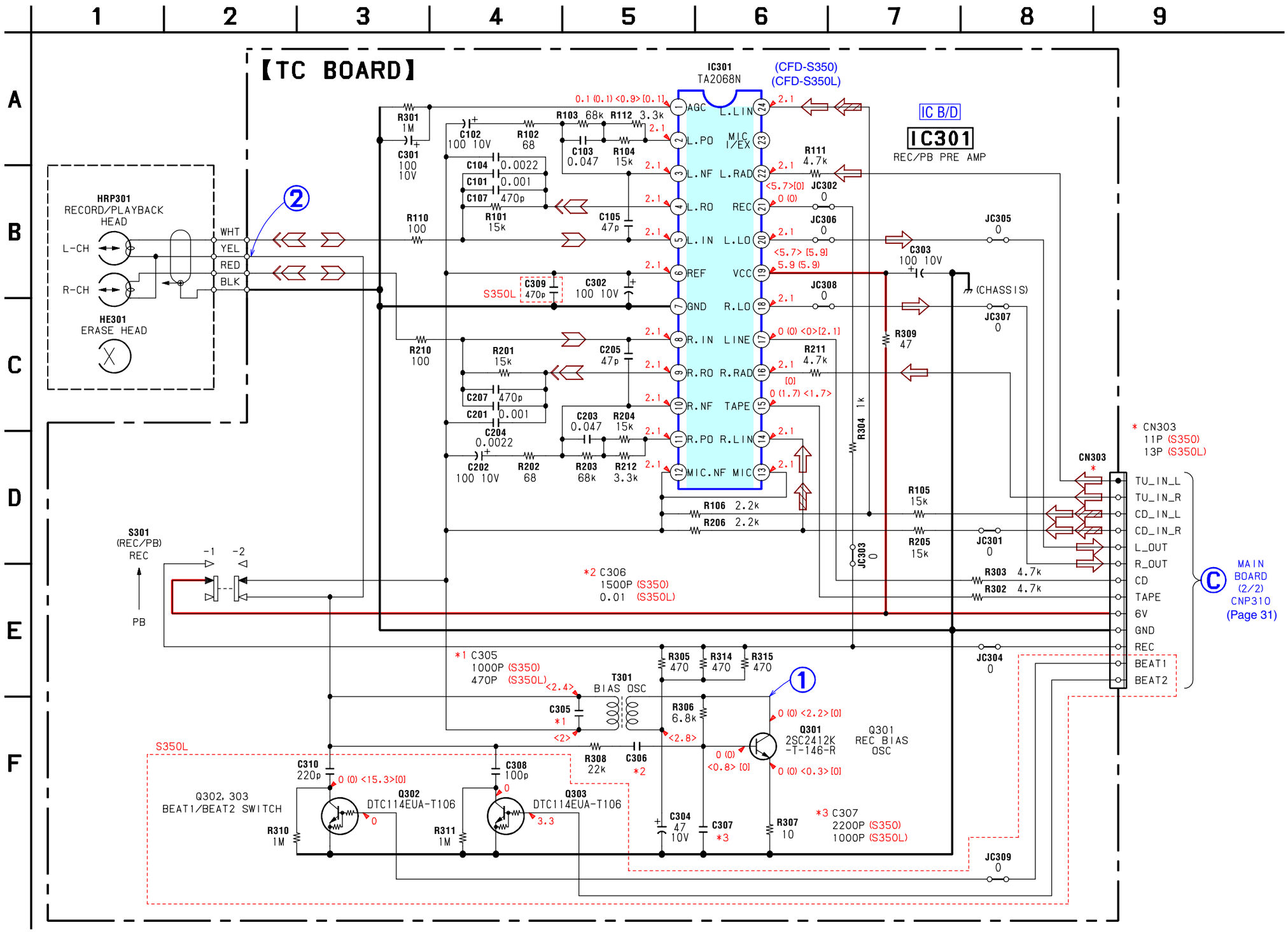
CFD-S350L

【TC BOARD】

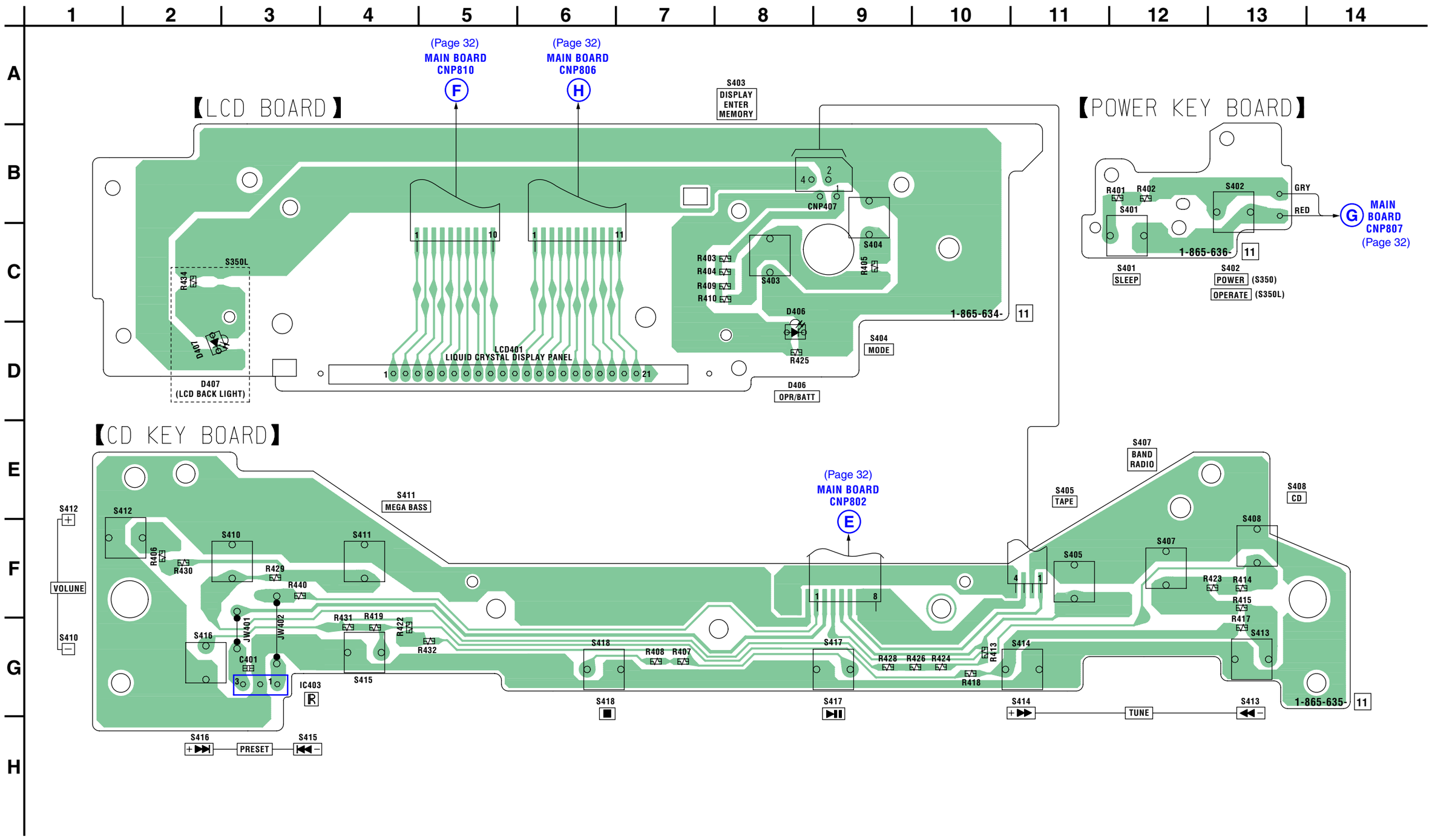


C MAIN BOARD CNP310 (Page 32)

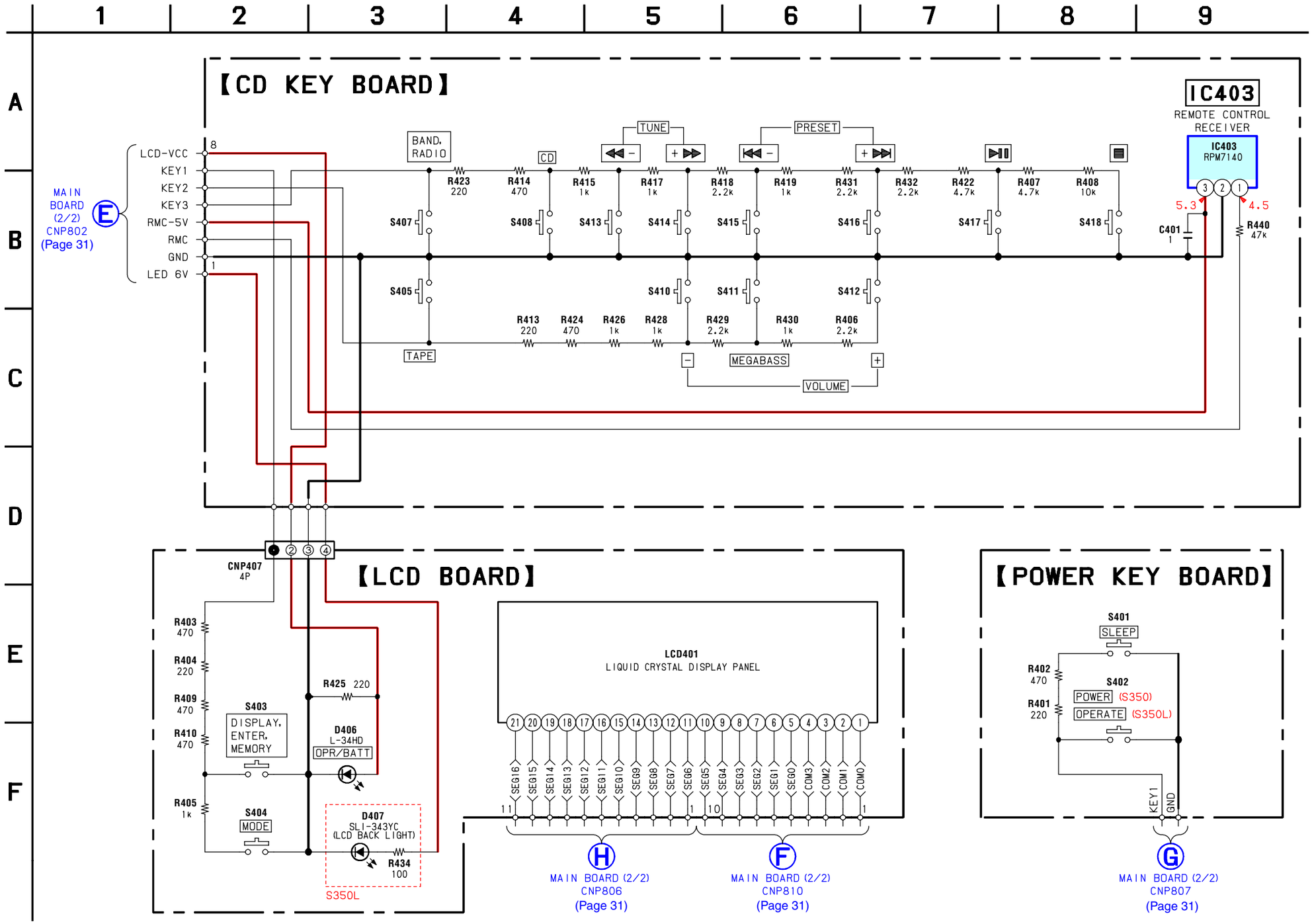
6-16. SCHEMATIC DIAGRAM — TC SECTION — • Refer to page 23 for Waveforms. • Refer to page 41 for IC Block Diagrams.



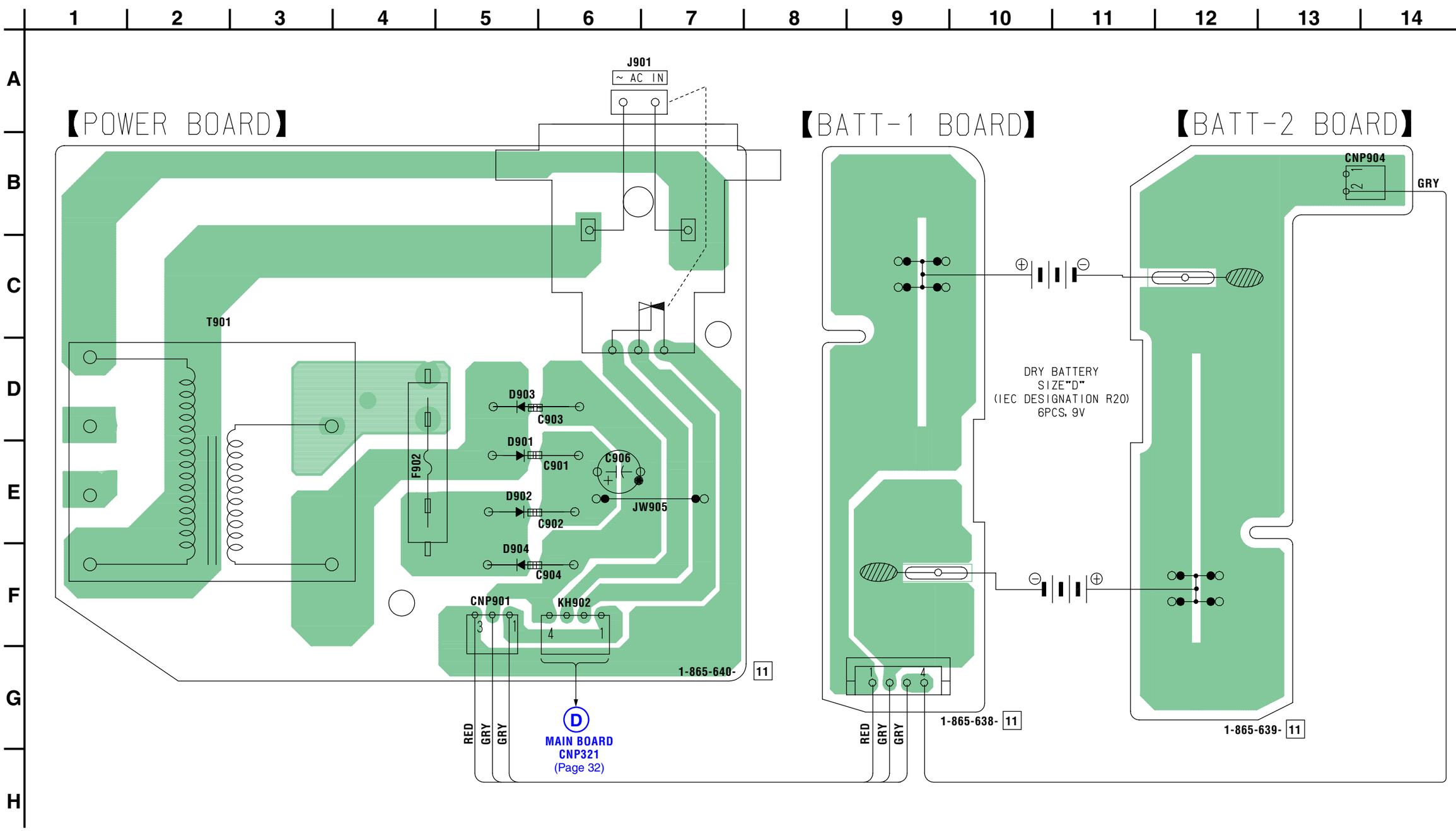
6-17. PRINTED WIRING BOARDS — CONTROL SECTION — • Refer to page 23 for Circuit Boards Location. : Uses unleaded solder.



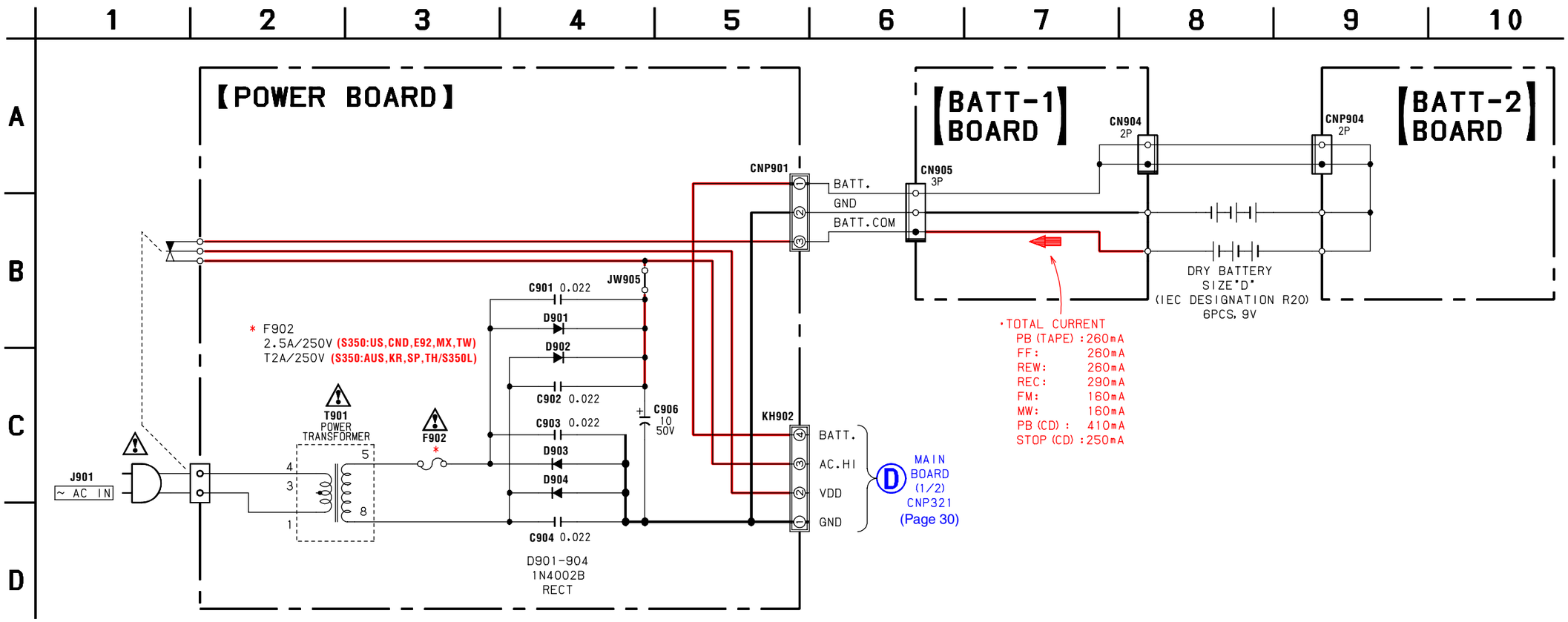
6-18. SCHEMATIC DIAGRAM — CONTROL SECTION —



6-19. PRINTED WIRING BOARDS — POWER SUPPLY SECTION — • Refer to page 23 for Circuit Boards Location. : Uses unleaded solder.

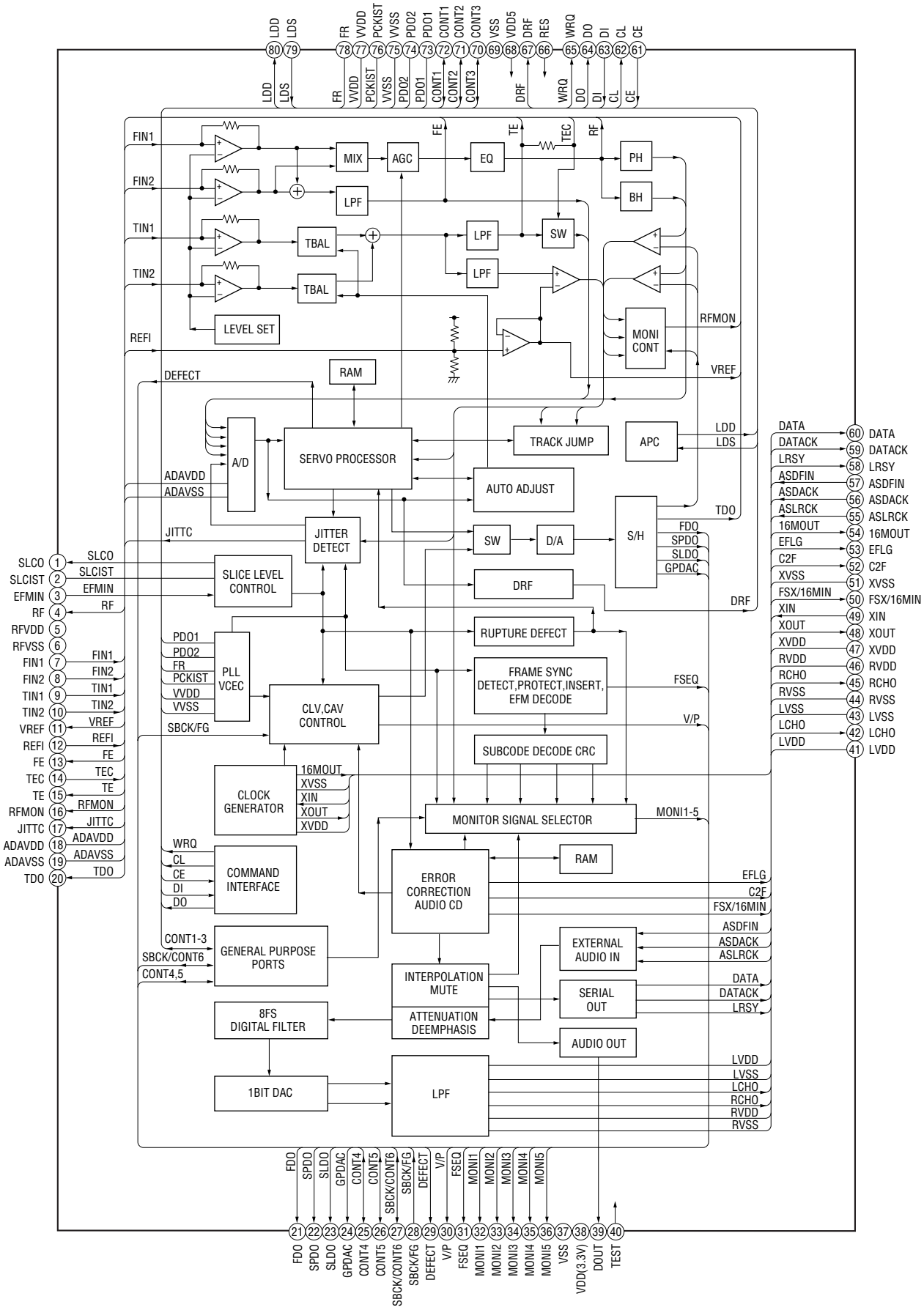


6-20. SCHEMATIC DIAGRAM — POWER SUPPLY SECTION —

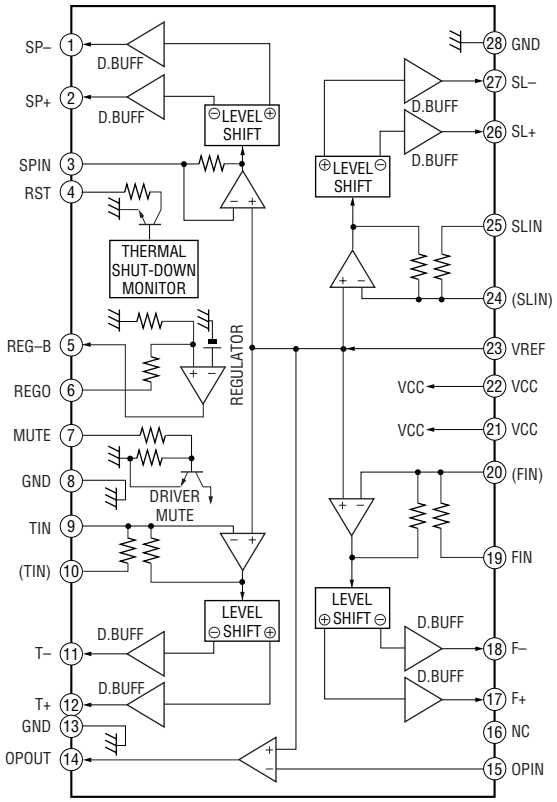


• IC Block Diagrams

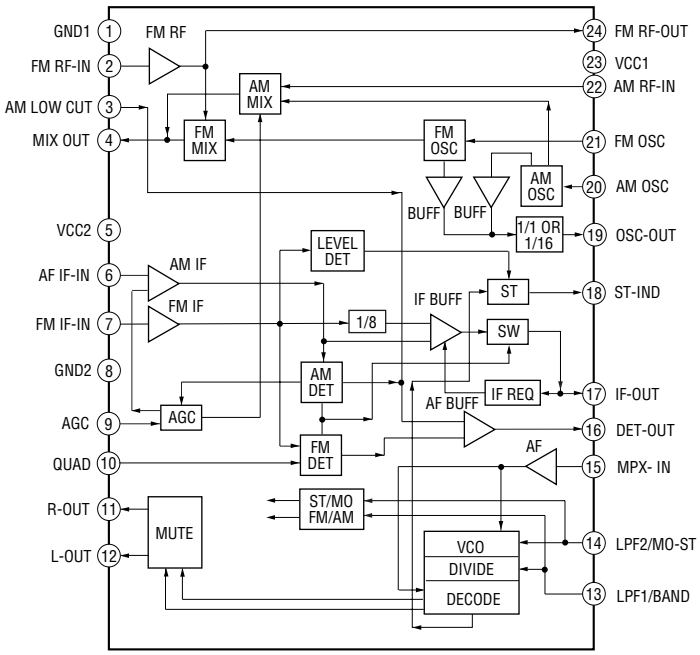
IC701 LC78646E-US-E (CD Board)



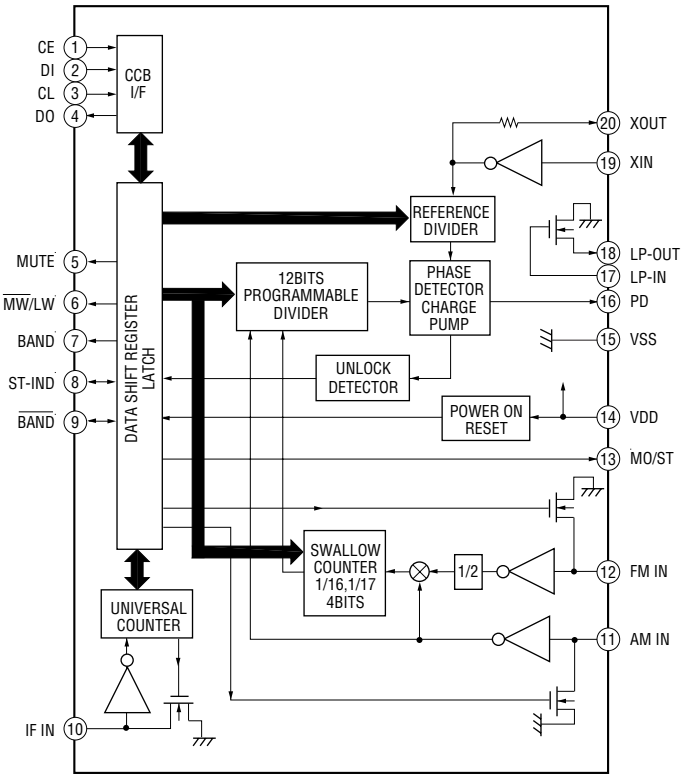
IC702 BA5826FP-E2 (CD Board)



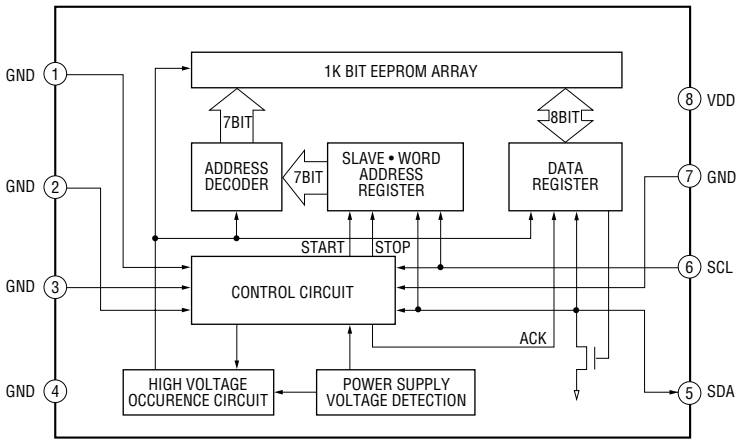
IC1 TA2149BN (TUNER Board) (CFD-S350)
IC1 TA2149BN (TUNER Board) (CFD-S350L)



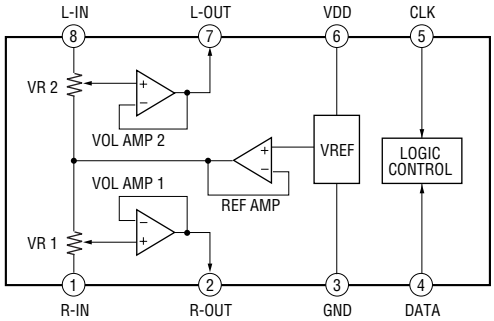
IC2 LC72137M-TLM-E (TUNER Board) (CFD-S350)
IC2 LC72137M-TLM-E (TUNER Board) (CFD-S350L)



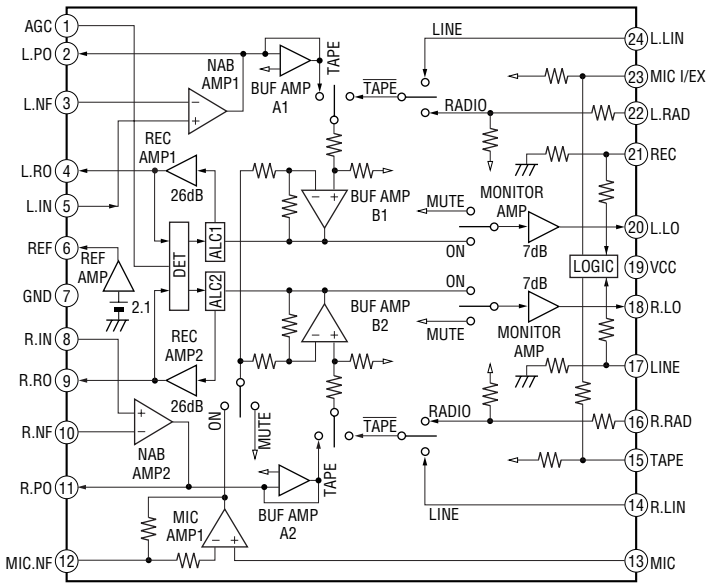
IC805 CAT24WC02WI-1.8-TE13 (MAIN Board (2/2))



IC302 PT2257-S (MAIN Board (1/2))



IC301 TA2068N (TC Board)



• IC Pin Description

IC801 μPD789477GC-A44-8BT (SYSTEM CONTROL) (MAIN BOARD (2/2))

Pin No.	Pin Name	I/O	Pin Description
1, 2	NC	—	Not used. (Open)
3 to 5	VLC2 to 0	I	LCD drive bias voltage input
6 to 9	COM0 to 3	O	LCD drive common output
10 to 26	S0 to 16	O	LCD drive segment output
27	REC	I	Tape record signal input H: REC
28	AC-CHK	I	AC power supply detection signal input L: AC in
29	CD-DOOR	I	CD door open/close switch input L: Close
30	BLUE LED	O	LED control output
31	NC	O	Not used. (Open)
32	NC	O	Not used. (Open)
33	NC	O	Not used. (Open)
34	LINE IN	O	LINE IN control signal output (Not used)
35	A-MUTE	O	Audio mute output H: Mute
36	CD	O	CD function output H: CD
37	TAPE	O	Tape function output H: Tape
38	AVDD	—	Analog power supply pin for A/D converter (+3.3 V)
39	BTT-CHK-H	I	Battery check input for Hi-voltage
40	BTT-CHK-M	I	Battery check input for Mid-voltage
41	NC	I	Connected to ground.
42	3V-CHK	I	CD 3.3V check signal input
43 to 45	KEY3 to 1	I	Key input
46	MODE CHK	I	Destination setting input
47	AGND	—	Analog ground for A/D converter
48	RMC	I	Sircs receiver data input (Not used)
49	TC-PLAY	I	Tape play switch input L: Play
50	WP/INI	O	Wake-up/Initial setting read signal output
51	NC	I	Not used. (Open)
52	C-WRQ	I	CD write request data input
53	C-DOUT	I	CD digital signal processor data input
54	C-DIN	O	CD digital signal processor data output
55	C-CLK	I	CD serial data transfer clock signal input
56	R-COUNT	I	Tuner PLL IF count input
57	R-DATA	O	Tuner PLL data output
58	R-CLK	O	Tuner PLL clock output
59	R-LAT	O	Tuner PLL latch output
60	B-MUTE	O	Tuner mute signal output H: Mute
61	C-DRF	I	CD DRF signal input
62	C-CE	O	CD chip enable output
63	C-FSEQ	I	CD frame SYNC input
64	C-XRT	O	CD system reset output
65	P-CON	O	System power control output H: PCON
66	ISS1	O	ISS1 output
67	ISS2	O	ISS2 output
68	M-BASS	O	MEGA BASS control output H: MEGA BASS off, L: MEGA BASS on
69	ICO	I	Connected to ground.
70	XT1	I	Sub system oscillation input (32.768 kHz)
71	XT2	O	Sub system oscillation output (32.768 kHz)
72	VDD	—	Main power supply pin for A/D converter (+3.3 V)
73	VSS	—	Main ground
74	X1	I	Main system oscillation input (4.19 MHz)

Pin No.	Pin Name	I/O	Pin Description
75	X2	O	Main system oscillation output (4.19 MHz)
76	RST	I	System reset input
77	V-CLK	O	Volume clock output
78	V-DATA	O	Volume data output
79	SCL	O	EEPROM clock output
80	SDA	I/O	EEPROM input/output

SECTION 7
EXPLODED VIEWS

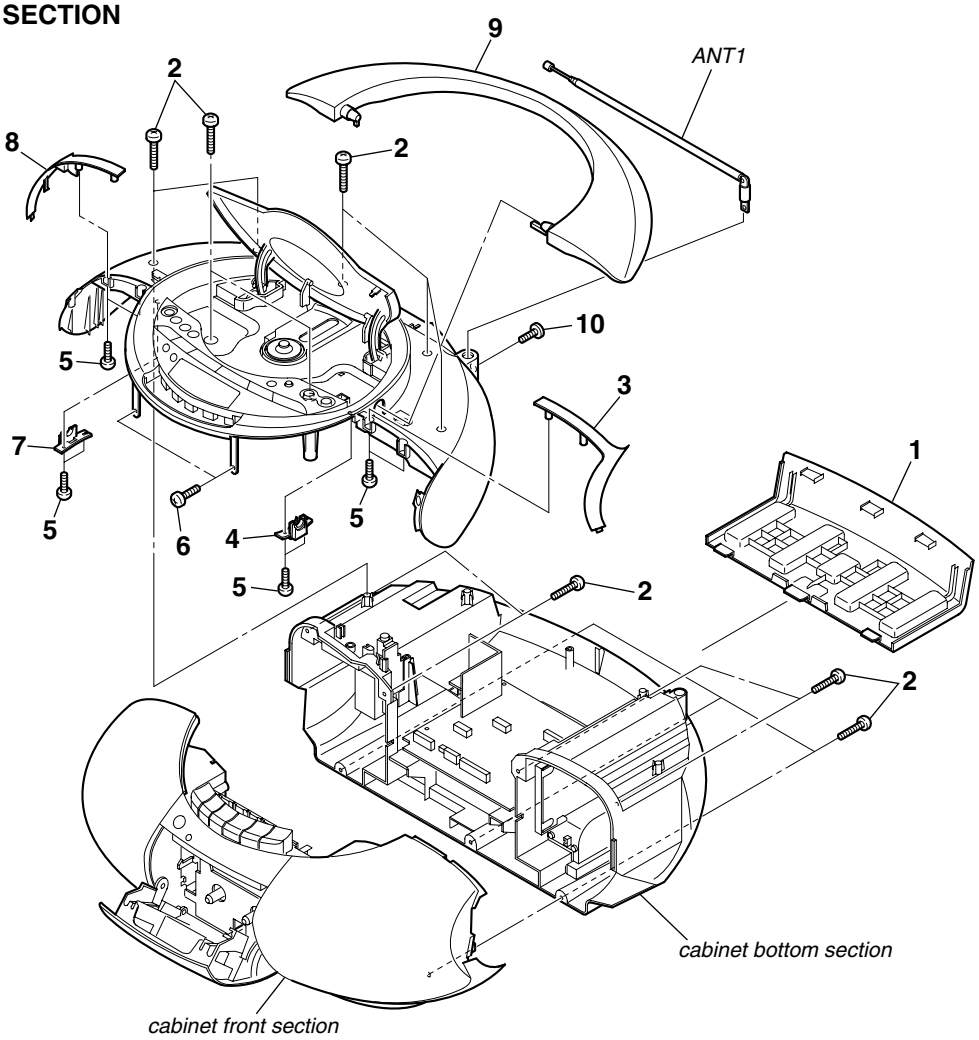
NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE) ... (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.

- Abbreviation
  CND : Canadian model
  E92 : AC 120V area in E model
  AUS : Australian model
  CET : East European & Russian model
  KR : Korean model
  MX : Mexican model
  IT : Italian model
  SP : Singapore model
  TH : Thai model
  TW : Taiwan model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

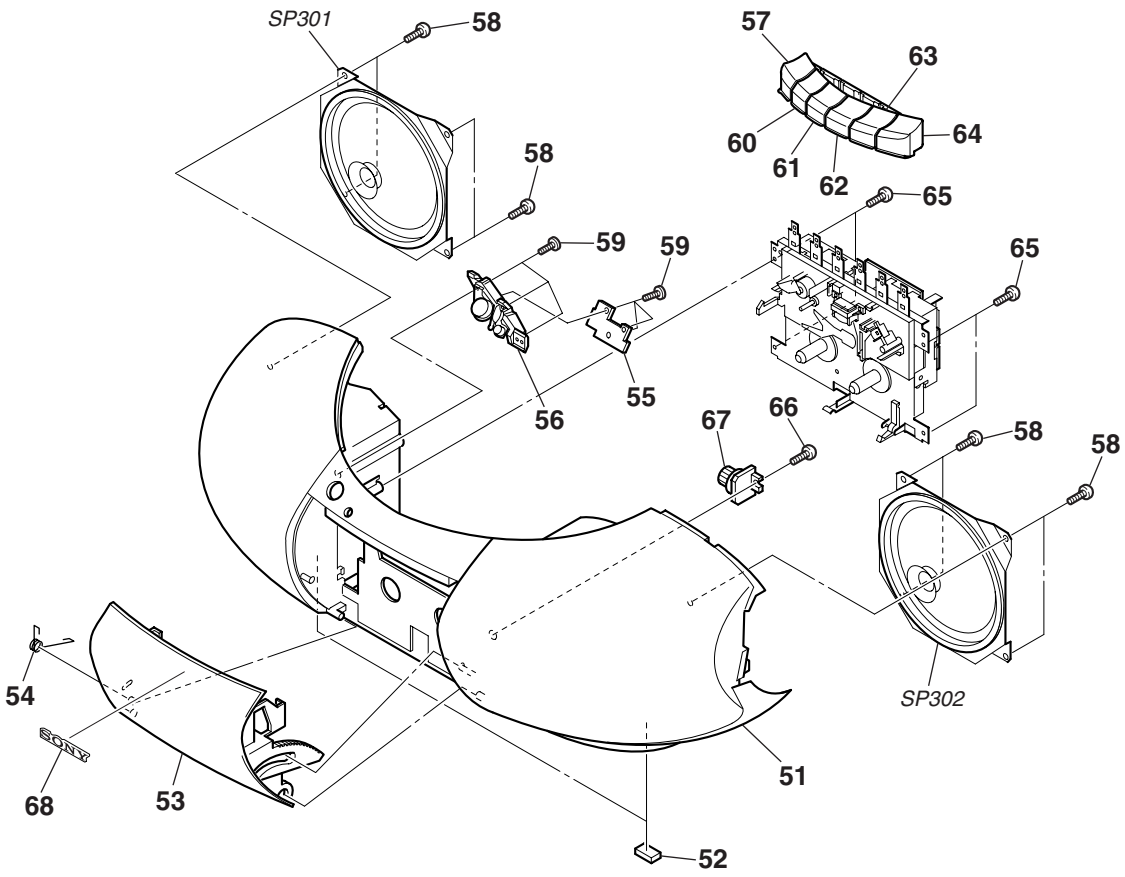
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

7-1. CABINET SECTION



Ref. No.	Part No.	Description	Remark
1	3-261-973-01	LID, BATTERY (for SILVER) (EXCEPT US)	
1	3-261-973-41	LID, BATTERY (for BLUE) (EXCEPT US)	
1	3-261-973-51	LID, BATTERY (for SILVER) (US)	
1	3-261-973-61	LID, BATTERY (for BLUE) (US)	
2	3-254-140-11	SCREW (B2.6), (+) BV TAPPING	
3	2-547-157-01	COVER, HANDLE (R) (for SILVER)	
3	2-547-157-11	COVER, HANDLE (R) (for BLUE) (EXCEPT US)	
3	2-547-157-41	COVER, HANDLE (R) (for BLUE) (US)	
4	2-547-159-01	HOLDER, HANDLE (R) (for SILVER)	
4	2-547-159-21	HOLDER, HANDLE (R) (for BLUE) (EXCEPT US)	
4	2-547-159-41	HOLDER, HANDLE (R) (for BLUE) (US)	
5	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
6	3-254-151-01	SCREW (B2.6), (+) P TAPPING	
7	2-547-158-01	HOLDER, HANDLE (L) (for SILVER)	
7	2-547-158-21	HOLDER, HANDLE (L) (for BLUE) (EXCEPT US)	
7	2-547-158-41	HOLDER, HANDLE (L) (for BLUE) (US)	
8	2-547-144-01	COVER, HANDLE (L) (for SILVER)	
8	2-547-144-11	COVER, HANDLE (L) (for BLUE) (EXCEPT US)	
8	2-547-144-41	COVER, HANDLE (L) (for BLUE) (US)	
9	2-547-124-01	HANDLE (for SILVER)	
9	2-547-124-11	HANDLE (for BLUE) (EXCEPT US)	
9	2-547-124-41	HANDLE (for BLUE) (US)	
10	3-252-833-01	SCREW (M3), (+) P	
ANT1	1-754-376-11	ANTENNA, TELESCOPIC (FM)	

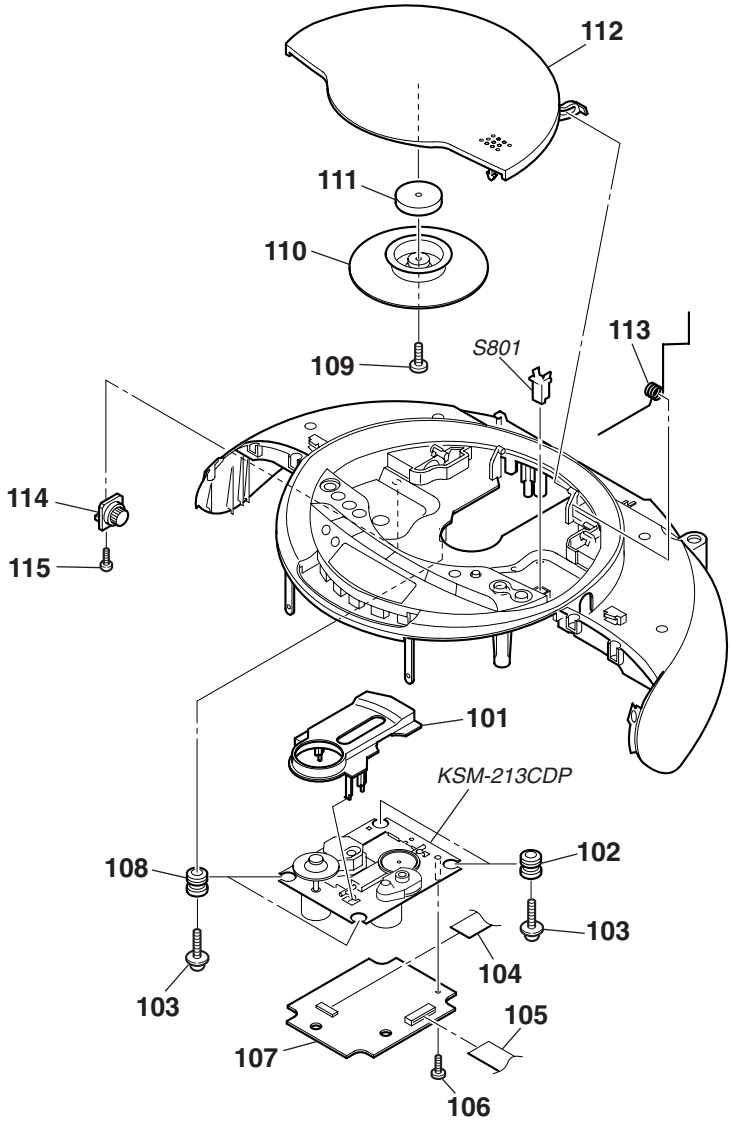
7-2. CABINET (FRONT) SECTION



Ref. No.	Part No.	Description	Remark
51	X-2050-181-2	CABINET (FRONT) SUB ASSY (for SILVER) (S350:US)	
51	X-2050-182-1	CABINET (FRONT) SUB ASSY (for SILVER) (S350:EXCEPT US)	
51	X-2050-183-1	CABINET (FRONT) SUB ASSY (for SILVER) (S350L)	
51	X-2050-346-1	CABINET (FRONT) SUB ASSY (for BLUE) (S350L)	
51	X-2055-061-1	CABINET (FRONT) SUB ASSY (for BLUE) (S350:EXCEPT US)	
51	X-2177-914-1	CABINET (FRONT) SUB ASSY (for BLUE) (US)	
52	3-040-916-01	FOOT (FRONT), RUBBER	
53	2-547-123-01	CASSETTE, HOLDER (for SILVER)	
53	2-547-123-21	CASSETTE, HOLDER (for BLUE) (EXCEPT US)	
53	2-547-123-41	CASSETTE, HOLDER (for BLUE) (US)	
54	2-547-170-01	SPRING, CASSETTE	
55	A-1098-553-A	POWER KEY BOARD, COMPLETE	
56	2-547-134-01	BUTTON, POWER (EXCEPT US)	
56	2-547-134-11	BUTTON, POWER (for SILVER) (US)	
56	2-547-134-31	BUTTON, POWER (for BLUE) (US)	
57	2-547-135-01	BUTTON, PAUSE (for SILVER)	
57	2-547-135-21	BUTTON, PAUSE (for BLUE) (EXCEPT US)	
57	2-547-135-61	BUTTON, PAUSE (for BLUE) (US)	
58	3-254-143-01	SCREW (B3), (+) BV TAPPING	

Ref. No.	Part No.	Description	Remark
59	3-254-070-01	SCREW	
60	2-547-136-02	BUTTON, S/E (for SILVER)	
60	2-547-136-22	BUTTON, S/E (for BLUE) (EXCEPT US)	
60	2-547-136-61	BUTTON, S/E (for BLUE) (US)	
61	2-547-138-02	BUTTON, FF (for SILVER)	
61	2-547-138-22	BUTTON, FF (for BLUE) (EXCEPT US)	
61	2-547-138-61	BUTTON, FF (for BLUE) (US)	
62	2-547-139-02	BUTTON, REW (for SILVER)	
62	2-547-139-22	BUTTON, REW (for BLUE) (EXCEPT US)	
62	2-547-139-61	BUTTON, REW (for BLUE) (US)	
63	2-547-141-02	BUTTON, PLAY (for SILVER)	
63	2-547-141-22	BUTTON, PLAY (for BLUE) (EXCEPT US)	
63	2-547-141-61	BUTTON, PLAY (for BLUE) (US)	
64	2-547-142-02	BUTTON, REC (for SILVER)	
64	2-547-142-22	BUTTON, REC (for BLUE) (EXCEPT US)	
64	2-547-142-61	BUTTON, REC (for BLUE) (US)	
65	3-254-151-01	SCREW (B2.6), (+) P TAPPING	
66	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
67	3-047-468-11	DAMPER	
68	4-925-334-41	EMBLEM (5-A), SONY	
SP301	1-825-690-11	SPEAKER (DIA. 10cm) (L-CH)	
SP302	1-825-690-11	SPEAKER (DIA. 10cm) (R-CH)	

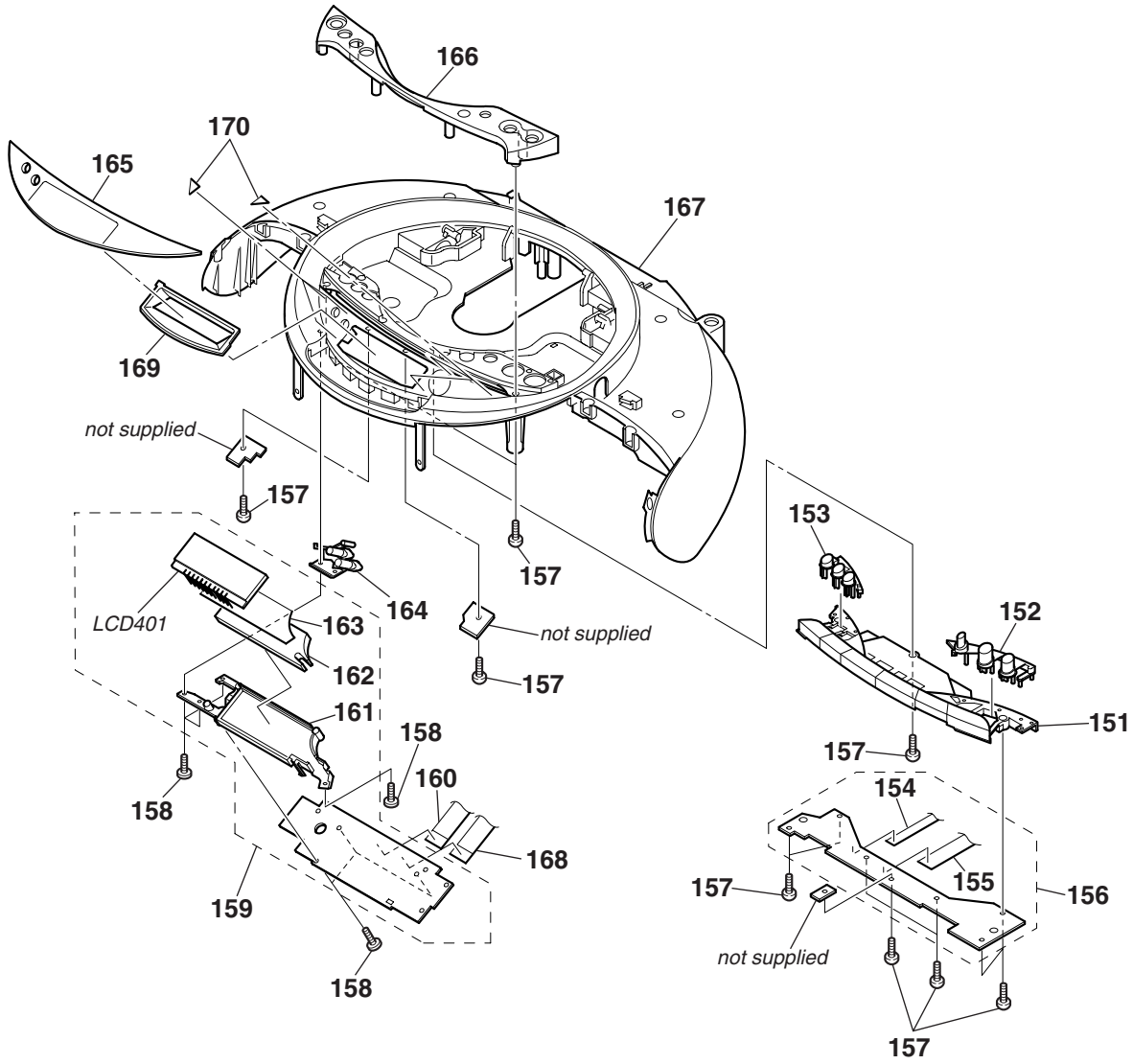
7-3. CABINET (TOP) (1) SECTION



Ref. No.	Part No.	Description	Remark
101	3-923-736-01	COVER, CD	
102	3-931-379-21	RUBBER, VIBRATION PROOF	
103	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING	
104	1-962-805-11	CABLE, FLEXIBLE FLAT (16 CORE)	
105	1-829-068-11	CABLE, FLEXIBLE FLAT (14 CORE)	
106	3-245-709-51	SCREW	
107	A-4542-980-A	CD BOARD, COMPLETE	
108	3-931-379-31	RUBBER, VIBRATION PROOF	
109	3-253-143-01	SCREW (B2.6), (+) P TAPPING	
110	3-019-395-01	PLATE, CHUCKING	
111	1-452-899-11	MAGNET	

Ref. No.	Part No.	Description	Remark
112	2-547-122-01	LID, CD (for SILVER) (S350L)	
112	2-547-122-11	LID, CD (for BLUE) (S350L)	
112	2-547-122-21	LID, CD (for SILVER) (S350)	
112	2-547-122-51	LID, CD (for BLUE) (S350:EXCEPT US)	
112	2-547-122-91	LID, CD (for BLUE) (S350:US)	
113	2-547-171-01	SPRING, CD	
114	3-047-468-11	DAMPER	
115	3-254-151-01	SCREW (B2.6), (+) P TAPPING	
S801	1-692-960-11	SWITCH, PUSH (1 KEY) (⏏ PUSH OPEN/CLOSE)	

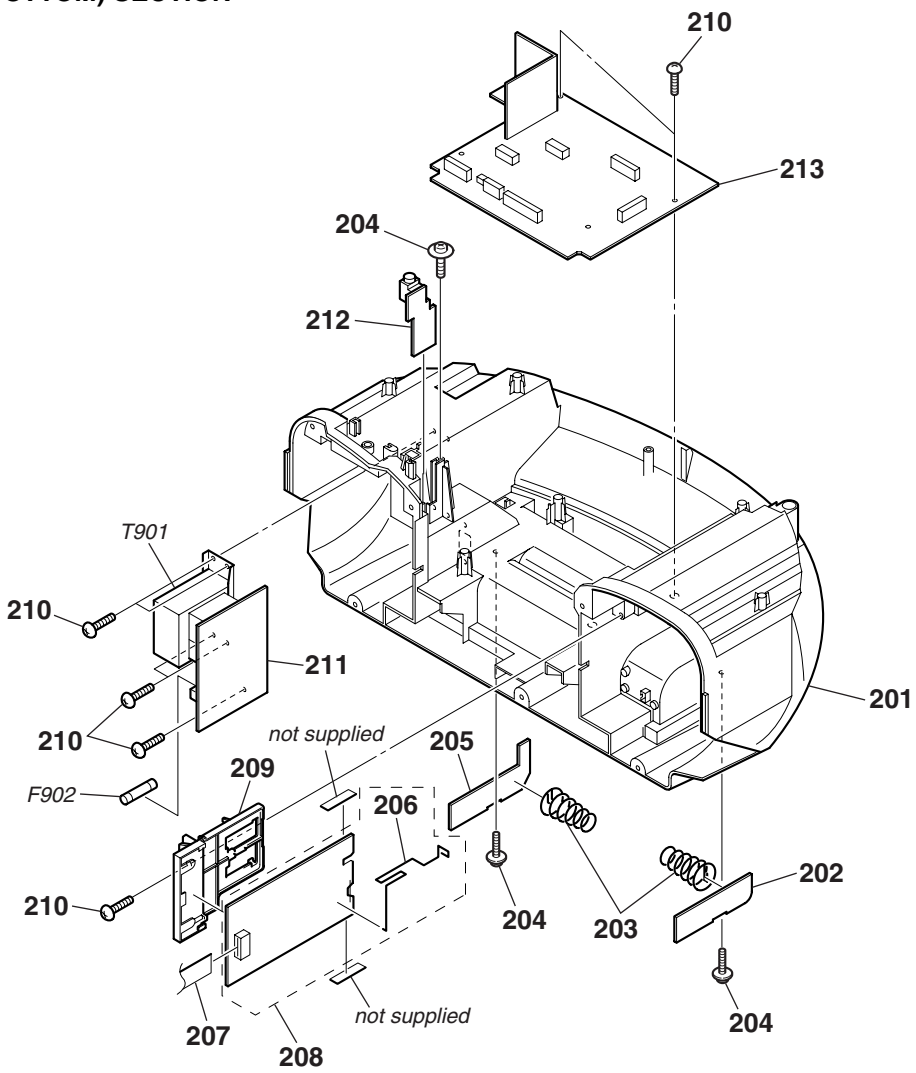
7-4. CABINET (TOP) (2) SECTION



Ref. No.	Part No.	Description	Remark
151	2-547-131-01	BUTTON, CD (for SILVER) (US,CND,E92,MX)	
151	2-547-131-11	BUTTON, CD (for SILVER,BLUE) (EXCEPT US,CND,E92,MX)	
151	2-547-131-51	BUTTON, CD (for BLUE) (US)	
152	2-547-132-01	BUTTON, VOLUME (for SILVER,BLUE) (EXCEPT US,CND,E92,MX)	
152	2-547-132-11	BUTTON, VOLUME (for SILVER) (US,CND,E92,MX)	
152	2-547-132-41	BUTTON, VOLUME (for BLUE) (US)	
153	2-547-160-11	BUTTON, FUNCTION (for SILVER) (US,CND,E92,MX)	
153	2-547-160-21	BUTTON, FUNCTION (for SILVER,BLUE) (EXCEPT US,CND,E92,MX)	
153	2-547-160-41	BUTTON, FUNCTION (for BLUE) (US)	
154	1-830-380-11	CABLE, FLEXIBLE FLAT (4 CORE)	
155	1-830-381-11	CABLE, FLEXIBLE FLAT (8 CORE)	
156	A-1098-555-A	CD KEY BOARD, COMPLETE	
157	3-254-151-01	SCREW (B2.6), (+) P TAPPING	
158	3-254-081-01	SCREW	
159	A-1098-557-A	LCD BOARD, COMPLETE (S350)	
159	A-1098-595-A	LCD BOARD, COMPLETE (S350L)	
160	1-829-066-11	CABLE, FLEXIBLE FLAT (11 CORE)	
161	2-547-164-01	HOLDER, LCD	

Ref. No.	Part No.	Description	Remark
162	2-547-143-01	PLATE, LIGHT GUIDE (S350L)	
163	2-584-370-01	SHEET, LCD (S350L)	
164	2-547-133-01	BUTTON, MODE (for SILVER,BLUE) (EXCEPT US,CND,E92,MX)	
164	2-547-133-11	BUTTON, MODE (for SILVER) (US,CND,E92,MX)	
164	2-547-133-31	BUTTON, MODE (for BLUE) (US)	
165	2-547-162-01	WINDOW, LCD (EXCEPT BLUE:US)	
165	2-547-162-31	WINDOW, LCD (BLUE:US)	
166	2-547-130-01	COVER, TOP (for SILVER)	
166	2-547-130-11	COVER, TOP (for BLUE) (EXCEPT US)	
166	2-547-130-71	COVER, TOP (for BLUE) (US)	
167	2-547-113-01	CABINET, TOP (for SILVER) (EXCEPT US)	
167	2-547-113-12	CABINET, TOP (for SILVER) (US)	
167	2-547-113-31	CABINET, TOP (for BLUE) (EXCEPT US)	
167	2-547-113-51	CABINET, TOP (for BLUE) (US)	
168	1-829-065-11	CABLE, FLEXIBLE FLAT (10 CORE)	
169	2-547-165-01	ESCUTCHEON, LCD (for SILVER)	
169	2-547-165-21	ESCUTCHEON, LCD (for BLUE) (EXCEPT US)	
169	2-547-165-41	ESCUTCHEON, LCD (for BLUE) (US)	
170	2-547-172-01	TAPE, LCD WINDOW	
LCD401	1-805-771-11	DISPLAY PANEL, LIQUID CRYSTAL (S350L)	
LCD401	1-805-772-11	DISPLAY PANEL, LIQUID CRYSTAL (S350)	

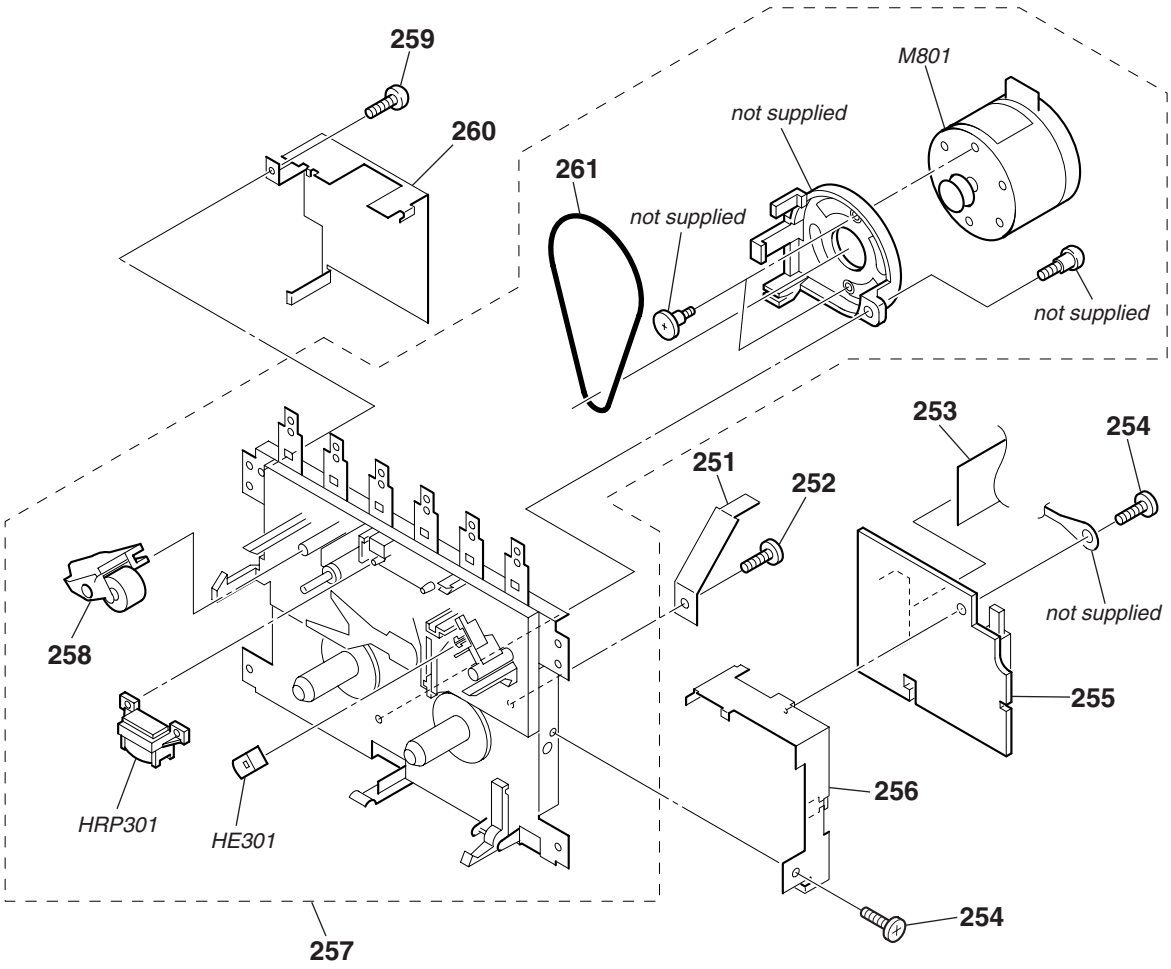
7-5. CABINET (BOTTOM) SECTION



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
201	2-547-120-01	CABINET, BOTTOM (for SILVER)	(S350L:AEP,UK,IT)
201	2-547-120-11	CABINET, BOTTOM (for BLUE)	(S350L:AEP,UK,IT)
201	2-547-120-21	CABINET, BOTTOM (for SILVER) (S350:US)	
201	2-547-120-31	CABINET, BOTTOM (for SILVER)	(S350:AUS,KR,SP,TH,TW/S350L:CET)
201	2-547-120-41	CABINET, BOTTOM (for BLUE)	(S350:SP,TH,TW/S350L:CET)
201	2-547-120-51	CABINET, BOTTOM (for SILVER) (S350:CND)	
201	2-547-120-61	CABINET, BOTTOM (for SILVER) (S350:E92)	
201	2-547-120-71	CABINET, BOTTOM (for SILVER) (S350:MX)	
201	3-197-798-01	CABINET, BOTTOM (for BLUE) (S350:US)	
* 202	1-865-638-11	BATT-1 BOARD	
203	3-240-561-02	TERMINAL (–), BATTERY	
204	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING	
* 205	1-865-639-11	BATT-2 BOARD	
206	2-547-169-01	TERMINAL, ANTENNA	
207	1-962-797-11	CABLE, FLEXIBLE FLAT (11 CORE)	
208	A-1098-549-A	TUNER BOARD, COMPLETE	(S350:US,CND,E92,MX)
208	A-1098-590-A	TUNER BOARD, COMPLETE (S350L)	
208	A-1098-611-A	TUNER BOARD, COMPLETE	(S350:AUS,KR,SP,TH,TW)
209	3-249-551-01	HOLDER (PWB TU)	
210	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
* 211	1-865-640-11	POWER BOARD	
212	A-1098-546-A	H/P BOARD, COMPLETE	
213	A-1098-547-A	MAIN BOARD, COMPLETE	(S350:US,CND,E92,MX)
213	A-1098-582-A	MAIN BOARD, COMPLETE (S350L)	
213	A-1098-609-A	MAIN BOARD, COMPLETE (S350:SP,TH)	
213	A-1098-636-A	MAIN BOARD, COMPLETE (S350:AUS,KR,TW)	
⚠F902	1-533-468-12	FUSE, GLASS TUBE (DIA. 5) (T2A/250V)	(S350:AUS,KR,SP,TH/S350L)
⚠F902	1-533-469-12	FUSE, GLASS TUBE (DIA. 5) (2.5A/250V)	(S350:US,CND,E92,MX,TW)
⚠T901	1-435-917-21	TRANSFORMER, POWER	(S350:US,CND,E92,MX,TW)
⚠T901	1-435-918-21	TRANSFORMER, POWER	(S350:AUS,KR,SP,TH/S350L)

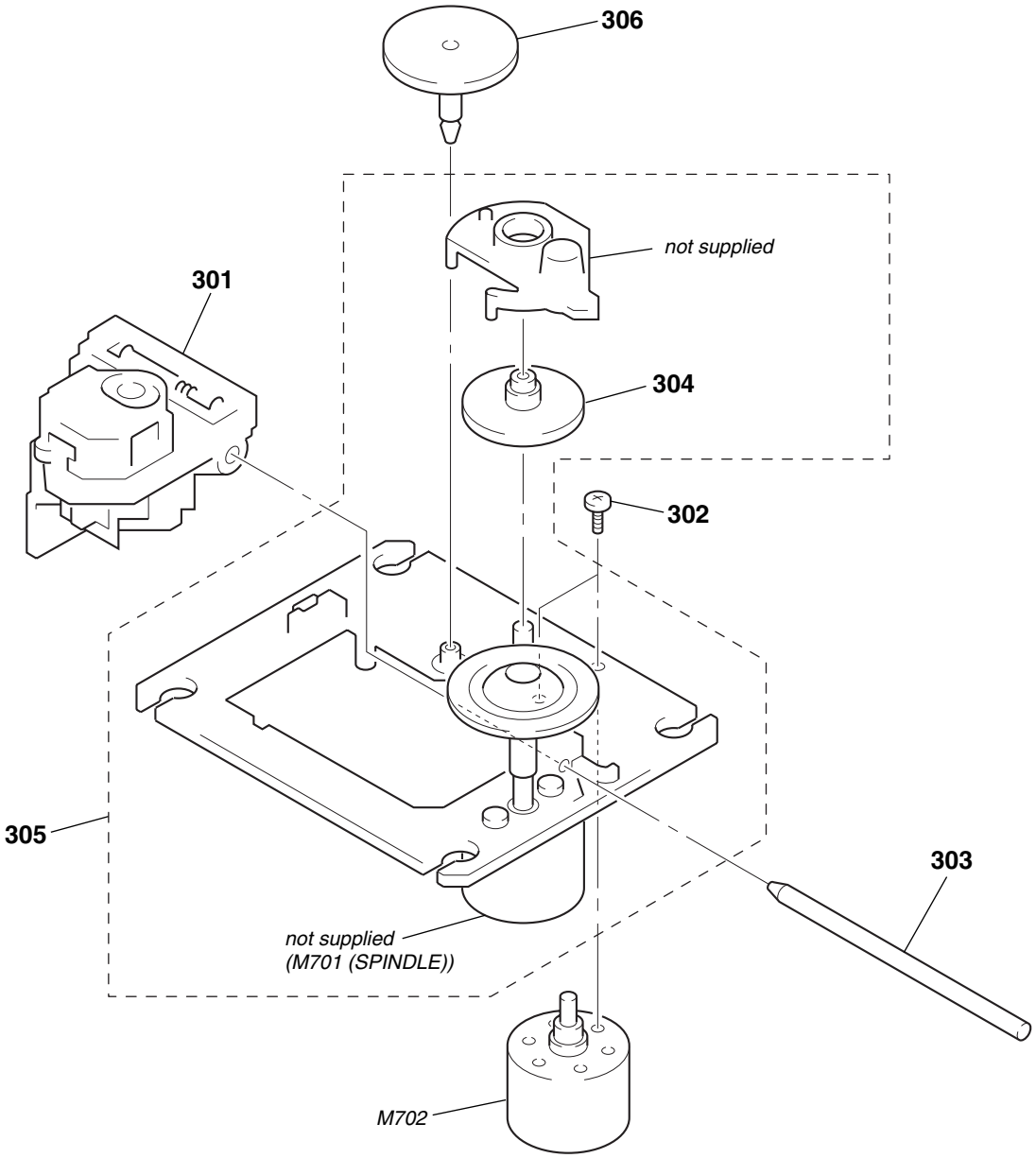
7-6. TAPE MECHANISM SECTION (MF-S350//C)



Ref. No.	Part No.	Description	Remark
251	3-237-718-01	LEVER, REC	
252	3-254-022-01	SCREW	
253	1-831-926-11	CABLE, FLEXIBLE FLAT (11 CORE) (S350)	
253	1-831-933-11	CABLE, FLEXIBLE FLAT (13 CORE) (S350L)	
254	3-254-029-01	SCREW	
* 255	A-1115-411-A	TC BOARD, COMPLETE (S350)	
255	A-1108-791-A	TC BOARD, COMPLETE (S350L)	
256	3-252-614-01	CHASSIS, TC	

Ref. No.	Part No.	Description	Remark
257	A-1105-331-A	MF-S350//C	
258	3-933-825-01	ARM ASSY, PINCH ROLLER	
259	3-254-151-01	SCREW (B2.6), (+) P TAPPING	
260	2-189-331-01	CAHSSIS, PROTECT	
261	3-933-833-01	BELT, RF	
HE301	1-500-813-11	HEAD, ERASE (ERASE)	
HRP301	3-266-053-01	HEAD, RP (REC/PB)	
M801	X-3385-048-1	MOTOR SUB ASSY (CAPSTAN/REEL)	

7-7. CD MECHANISM SECTION (KSM-213CDP)



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
⚠301	8-848-483-12	OPTICAL PICK-UP (KSS-213C/C2RP1)	
302	2-174-500-01	SCREW (2X3)	
303	2-626-908-01	SHAFT, SLED	
304	2-627-003-01	GEAR (B) (RP)	
305	X-2162-709-2	CHASSIS ASSY (CDP), MOTOR (SPINDLE) (including M701)	
306	2-626-907-11	GEAR (A)	
M702	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED)	

SECTION 8
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : µ, for example:
  uA.. : µA.. uPA.. : µPA..
  uPB.. : µPB.. uPC.. : µPC.. uPD.. : µPD..
- CAPACITORS
  uF : µF
- COILS
  uH : µH
- Abbreviation
  CND : Canadian model
  E92 : AC 120V area in E model
  AUS : Australian model
  CET : East European & Russian model
  KR : Korean model
  MX : Mexican model
  IT : Italian model
  SP : Singapore model
  TH : Thai model
  TW : Taiwan model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
*	1-865-638-11	BATT-1 BOARD			
		**********			
	3-240-561-02	TERMINAL (–), BATTERY			
**********					
*	1-865-639-11	BATT-2 BOARD			
		**********			
	3-240-561-02	TERMINAL (–), BATTERY			
		< CONNECTOR >			
CNP904	1-815-550-11	PIN, CONNECTOR (PWB) 2P			
**********					
	A-4542-980-A	CD BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C701	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C702	1-126-947-11	ELECT	47uF	20%	35V
C703	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C704	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C705	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C706	1-126-960-11	ELECT	1uF	20%	50V
C707	1-115-156-11	CERAMIC CHIP	1uF		10V
C708	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C709	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C711	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C716	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C717	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C720	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C721	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C722	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C723	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C724	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C725	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C726	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C727	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C728	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C729	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C730	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C731	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C732	1-104-658-11	ELECT	100uF	20%	10V
C733	1-104-658-11	ELECT	100uF	20%	10V
C734	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C735	1-126-916-11	ELECT	1000uF	20%	6.3V
C736	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C738	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C739	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C740	1-126-925-11	ELECT	470uF	20%	10V
C741	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C742	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C743	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C744	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C745	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C746	1-104-658-11	ELECT	100uF	20%	10V
C747	1-104-658-11	ELECT	100uF	20%	10V
C750	1-104-658-11	ELECT	100uF	20%	10V
C751	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C754	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C755	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< CONNECTOR >			
CNP701	1-779-553-21	CONNECTOR, FFC (LIF(NON-ZIF)) 16P			
* CNP702	1-784-736-11	CONNECTOR, FFC 14P			
		< FERRITE BEAD >			
FB701	1-469-701-21	FERRITE, EMI (SMD) (1608)			
		< IC >			
IC701	6-701-796-01	IC LC78646E-US-E			
IC702	6-701-787-11	IC BA5826FP-E2			
		< JUMPER RESISTOR >			
JC701	1-216-864-11	SHORT CHIP	0		
JC702	1-216-864-11	SHORT CHIP	0		
JC703	1-216-864-11	SHORT CHIP	0		
		< FERRITE BEAD >			
L706	1-414-445-11	FERRITE, EMI (SMD) (1608)			
		< TRANSISTOR >			
Q701	8-729-054-57	TRANSISTOR KTN2907AS-RTK			
		< RESISTOR >			
R701	1-216-841-11	METAL CHIP	47K	5%	1/10W
R702	1-216-833-11	METAL CHIP	10K	5%	1/10W
R703	1-216-833-11	METAL CHIP	10K	5%	1/10W

CD **CD KEY** **H/P**

Ref. No.	Part No.	Description			Remark
R704	1-216-833-11	METAL CHIP	10K	5%	1/10W
R705	1-216-833-11	METAL CHIP	10K	5%	1/10W
R706	1-216-841-11	METAL CHIP	47K	5%	1/10W
R707	1-216-797-11	METAL CHIP	10	5%	1/10W
R708	1-216-833-11	METAL CHIP	10K	5%	1/10W
R709	1-216-837-11	METAL CHIP	22K	5%	1/10W
R710	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R711	1-216-809-11	METAL CHIP	100	5%	1/10W
R712	1-216-809-11	METAL CHIP	100	5%	1/10W
R713	1-216-813-11	METAL CHIP	220	5%	1/10W
R714	1-216-809-11	METAL CHIP	100	5%	1/10W
R715	1-216-809-11	METAL CHIP	100	5%	1/10W
R716	1-216-821-11	METAL CHIP	1K	5%	1/10W
R717	1-216-821-11	METAL CHIP	1K	5%	1/10W
R718	1-216-821-11	METAL CHIP	1K	5%	1/10W
R719	1-216-809-11	METAL CHIP	100	5%	1/10W
R720	1-216-809-11	METAL CHIP	100	5%	1/10W
R721	1-216-821-11	METAL CHIP	1K	5%	1/10W
R722	1-216-809-11	METAL CHIP	100	5%	1/10W
R723	1-216-809-11	METAL CHIP	100	5%	1/10W
R724	1-216-841-11	METAL CHIP	47K	5%	1/10W
R725	1-216-813-11	METAL CHIP	220	5%	1/10W
R726	1-216-813-11	METAL CHIP	220	5%	1/10W
R727	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R728	1-216-833-11	METAL CHIP	10K	5%	1/10W
R729	1-216-813-11	METAL CHIP	220	5%	1/10W
R730	1-216-821-11	METAL CHIP	1K	5%	1/10W
R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R732	1-216-857-11	METAL CHIP	1M	5%	1/10W
R733	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R734	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R735	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R736	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R737	1-216-817-11	METAL CHIP	470	5%	1/10W
R738	1-216-817-11	METAL CHIP	470	5%	1/10W
R741	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R742	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R743	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R744	1-216-845-11	METAL CHIP	100K	5%	1/10W
R746	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R747	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< SWITCH >			
S701	1-571-936-11	SWITCH, LEAF (LIMIT)			
		< VIBRATOR >			
X701	1-781-801-21	VIBRATOR, CERAMIC (16.93MHz)			
**********					
	A-1098-555-A	CD KEY BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C401	1-115-156-11	CERAMIC CHIP	1uF		10V
		< IC >			
IC403	6-701-681-01	IC RPM7140-V4 (IR)			

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R406	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R407	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R408	1-216-833-11	METAL CHIP	10K	5%	1/10W
R413	1-216-813-11	METAL CHIP	220	5%	1/10W
R414	1-216-817-11	METAL CHIP	470	5%	1/10W
R415	1-216-821-11	METAL CHIP	1K	5%	1/10W
R417	1-216-821-11	METAL CHIP	1K	5%	1/10W
R418	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R419	1-216-821-11	METAL CHIP	1K	5%	1/10W
R422	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R423	1-216-813-11	METAL CHIP	220	5%	1/10W
R424	1-216-817-11	METAL CHIP	470	5%	1/10W
R426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R428	1-216-821-11	METAL CHIP	1K	5%	1/10W
R429	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R430	1-216-821-11	METAL CHIP	1K	5%	1/10W
R431	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R432	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R440	1-216-841-11	METAL CHIP	47K	5%	1/10W
		< SWITCH >			
S405	1-786-050-21	SWITCH, KEYBOARD (TAPE)			
S407	1-786-050-21	SWITCH, KEYBOARD (RADIO BAND•AUTO PRESET)			
S408	1-786-050-21	SWITCH, KEYBOARD (CD)			
S410	1-786-050-21	SWITCH, KEYBOARD (VOLUME –)			
S411	1-786-050-21	SWITCH, KEYBOARD (MEGA BASS)			
S412	1-786-050-21	SWITCH, KEYBOARD (VOLUME +)			
S413	1-786-050-21	SWITCH, KEYBOARD (TUNE –/◀◀)			
S414	1-786-050-21	SWITCH, KEYBOARD (TUNE +/▶▶)			
S415	1-786-050-21	SWITCH, KEYBOARD (PRESET –/I◀◀)			
S416	1-786-050-21	SWITCH, KEYBOARD (PRESET +/▶▶I)			
S417	1-786-050-21	SWITCH, KEYBOARD (▶II)			
S418	1-786-050-21	SWITCH, KEYBOARD (■)			
**********					
	A-1098-546-A	H/P BOARD, COMPLETE			
		**********			
		< CONNECTOR >			
* CNP322	1-815-552-21	PIN, CONNECTOR (PWB) 4P			
* CNP323	1-815-552-11	PIN, CONNECTOR (PWB) 4P			
		< JACK >			
J321	1-815-325-11	JACK (🎧)			
		< RESISTOR >			
R146	1-216-809-11	METAL CHIP	100	5%	1/10W
R246	1-216-809-11	METAL CHIP	100	5%	1/10W
**********					

Ref. No.	Part No.	Description			Remark
	A-1098-557-A	LCD BOARD, COMPLETE (S350)			
	A-1098-595-A	LCD BOARD, COMPLETE (S350L)			
		**********			
	2-547-143-01	PLATE, LIGHT GUIDE (S350L)			
	2-547-164-01	HOLDER, LCD			
	2-584-370-01	SHEET, LCD (S350L)			
		< CONNECTOR >			
CNP407	1-568-847-11	CONNECTOR, FFC/FPC 4P			
		< DIODE >			
D406	8-719-059-97	LED L-34HD (OPR/BATT)			
D407	6-500-076-01	LED SLI-343YC (LCD BACK LIGHT) (S350L)			
		< LIQUID CRYSTAL DISPLAY >			
LCD401	1-805-771-11	DISPLAY PANEL, LIQUID CRYSTAL (S350L)			
LCD401	1-805-772-11	DISPLAY PANEL, LIQUID CRYSTAL (S350)			
		< RESISTOR >			
R403	1-216-817-11	METAL CHIP	470	5%	1/10W
R404	1-216-813-11	METAL CHIP	220	5%	1/10W
R405	1-216-821-11	METAL CHIP	1K	5%	1/10W
R409	1-216-817-11	METAL CHIP	470	5%	1/10W
R410	1-216-817-11	METAL CHIP	470	5%	1/10W
R425	1-216-813-11	METAL CHIP	220	5%	1/10W
R434	1-216-809-11	METAL CHIP	100	5%	1/10W
		< SWITCH >			
S403	1-786-050-21	SWITCH, KEYBOARD (DISP/ENT/MEMORY)			
S404	1-786-050-21	SWITCH, KEYBOARD (MODE)			
**********					
	A-1098-547-A	MAIN BOARD, COMPLETE (S350:US,CND,E92,MX)			
	A-1098-582-A	MAIN BOARD, COMPLETE (S350L)			
	A-1098-609-A	MAIN BOARD, COMPLETE (S350:SP,TH)			
	A-1098-636-A	MAIN BOARD, COMPLETE (S350:AUS,KR,TW)			
		**********			
	3-254-151-01	SCREW (B2.6), (+) P TAPPING			
		< CAPACITOR >			
C106	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C108	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C109	1-126-947-11	ELECT	47uF	20%	35V
C110	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C111	1-104-658-11	ELECT	100uF	20%	10V
C112	1-126-926-11	ELECT	1000uF	20%	10V
C113	1-126-960-11	ELECT	1uF	20%	50V
C114	1-126-963-11	ELECT	4.7uF	20%	50V
C115	1-126-963-11	ELECT	4.7uF	20%	50V
C116	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C117	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C123	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C125	1-126-960-11	ELECT	1uF	20%	50V
C127	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C129	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C162	1-126-960-11	ELECT	1uF	20%	50V
C163	1-115-156-11	CERAMIC CHIP	1uF		10V

Ref. No.	Part No.	Description			Remark
C206	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C208	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C209	1-126-947-11	ELECT	47uF	20%	35V
C210	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C211	1-104-658-11	ELECT	100uF	20%	10V
C212	1-126-926-11	ELECT	1000uF	20%	10V
C213	1-126-960-11	ELECT	1uF	20%	50V
C214	1-126-963-11	ELECT	4.7uF	20%	50V
C215	1-126-963-11	ELECT	4.7uF	20%	50V
C216	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C217	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C223	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C225	1-126-960-11	ELECT	1uF	20%	50V
C227	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C229	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C262	1-126-960-11	ELECT	1uF	20%	50V
C263	1-115-156-11	CERAMIC CHIP	1uF		10V
C311	1-126-965-11	ELECT	22uF	20%	50V
C322	1-126-947-11	ELECT	47uF	20%	35V
C323	1-126-964-11	ELECT	10uF	20%	50V
C324	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C325	1-126-937-11	ELECT	4700uF	20%	16V
C326	1-126-923-11	ELECT	220uF	20%	10V
C330	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C331	1-126-947-11	ELECT	47uF	20%	35V
C332	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C338	1-126-926-11	ELECT	1000uF	20%	10V
C349	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C350	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C351	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C352	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C353	1-126-927-11	ELECT	2200uF	20%	10V
C354	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C355	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C356	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C801	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C802	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C803	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C804	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C805	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C806	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C807	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C808	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C809	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C810	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C811	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C812	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C813	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C814	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C815	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C816	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C817	1-104-658-11	ELECT	100uF	20%	10V
C818	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C819	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C820	1-115-156-11	CERAMIC CHIP	1uF		10V
C821	1-115-156-11	CERAMIC CHIP	1uF		10V
C822	1-126-923-11	ELECT	220uF	20%	10V
C823	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C824	1-115-156-11	CERAMIC CHIP	1uF		10V

MAIN

Ref. No.	Part No.	Description			Remark
C825	1-126-964-11	ELECT	10uF	20%	50V
C826	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C830	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C832	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C833	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C835	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C905	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C951	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C952	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C953	1-126-925-11	ELECT	470uF	20%	10V
C957	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C959	1-126-923-11	ELECT	220uF	20%	10V
		< CONNECTOR >			
CNP302	1-815-445-11	PIN, CONNECTOR (PWB) 4P			
CNP310	1-568-830-11	CONNECTOR, FFC 11P (S350)			
CNP310	1-784-774-11	CONNECTOR, FFC 13P (S350L)			
CNP321	1-815-445-11	PIN, CONNECTOR (PWB) 4P			
CNP802	1-691-040-31	CONNECTOR, FFC 8P			
CNP803	1-784-775-11	CONNECTOR, FFC 14P			
CNP805	1-568-830-11	CONNECTOR, FFC 11P			
CNP807	1-815-443-11	PIN, CONNECTOR (PWB) 2P			
		< DIODE >			
D322	8-719-988-61	DIODE 1SS355TE-17			
D323	8-719-988-61	DIODE 1SS355TE-17			
D324	8-719-988-61	DIODE 1SS355TE-17			
D801	8-719-941-09	DIODE DAP202U			
D804	8-719-988-61	DIODE 1SS355TE-17			
D920	8-719-941-86	DIODE DAN202U			
D921	8-719-069-54	DIODE UDZSTE-175.1B			
D951	8-719-941-09	DIODE DAP202U			
D953	8-719-978-33	DIODE DTZ-TT11-6.8B			
D957	8-719-083-58	DIODE UDZSTE-173.9B			
		< FERRITE BEAD >			
FB801	1-469-701-21	FERRITE, EMI (SMD) (1608)			
		< IC >			
IC302	6-701-919-01	IC PT2257-S			
IC304	8-759-426-51	IC BA5417			
IC801	6-804-289-01	IC uPD789477GC-A44-8BT			
IC802	6-703-285-01	IC S-812C33AUA-C2NT2G			
IC804	6-705-413-01	IC BD4826G-TR			
IC805	6-700-336-01	IC CAT24WC02WI-1.8-TE13			
		< JUMPER RESISTOR >			
JC803	1-216-864-11	SHORT CHIP	0		
JC804	1-216-864-11	SHORT CHIP	0		
JC805	1-216-864-11	SHORT CHIP	0		
JC807	1-216-864-11	SHORT CHIP	0		
JC814	1-216-864-11	SHORT CHIP	0		
JC903	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L801	1-414-137-31	INDUCTOR	0.22uH		
L802	1-410-521-11	INDUCTOR	100uH		

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q113	8-729-905-40	TRANSISTOR 2SC4081T106			
Q122	8-729-905-40	TRANSISTOR 2SC4081T106			
Q124	8-729-047-12	TRANSISTOR DTC314TU-T106			
Q213	8-729-905-40	TRANSISTOR 2SC4081T106			
Q222	8-729-905-40	TRANSISTOR 2SC4081T106			
Q224	8-729-047-12	TRANSISTOR DTC314TU-T106			
Q801	8-729-029-16	TRANSISTOR DTC144VUA-T106			
Q805	8-729-028-92	TRANSISTOR DTA144TUA-T106			
Q806	8-729-029-13	TRANSISTOR DTC143ZUA-T106			
Q807	8-729-028-77	TRANSISTOR DTA115EUA-T106			
Q808	8-729-905-40	TRANSISTOR 2SC4081T106			
Q809	8-729-029-13	TRANSISTOR DTC143ZUA-T106 (S350L)			
Q810	8-729-028-90	TRANSISTOR DTA143ZUA-T106 (S350L)			
Q813	8-729-029-13	TRANSISTOR DTC143ZUA-T106			
Q819	8-729-029-00	TRANSISTOR DTC115EUA-T106			
Q820	8-729-029-00	TRANSISTOR DTC115EUA-T106			
Q951	8-729-029-13	TRANSISTOR DTC143ZUA-T106			
Q952	8-729-040-76	TRANSISTOR KTA1273-Y-AT			
Q953	8-729-905-40	TRANSISTOR 2SC4081T106			
Q955	8-729-018-99	TRANSISTOR 2SD2394-F			
Q957	8-729-036-86	TRANSISTOR KTC3203Y-AT			
Q958	8-729-028-90	TRANSISTOR DTA143ZUA-T106			
Q959	8-729-028-99	TRANSISTOR DTC114YUA-T106			
		< RESISTOR >			
R129	1-216-817-11	METAL CHIP	470	5%	1/10W
R131	1-216-853-11	METAL CHIP	470K	5%	1/10W
R132	1-216-821-11	METAL CHIP	1K	5%	1/10W
R133	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R134	1-216-817-11	METAL CHIP	470	5%	1/10W
R135	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R136	1-216-821-11	METAL CHIP	1K	5%	1/10W
R138	1-216-817-11	METAL CHIP	470	5%	1/10W
R139	1-216-833-11	METAL CHIP	10K	5%	1/10W
R140	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R141	1-216-813-11	METAL CHIP	220	5%	1/10W
R143	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R145	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R166	1-216-821-11	METAL CHIP	1K	5%	1/10W
R229	1-216-817-11	METAL CHIP	470	5%	1/10W
R231	1-216-853-11	METAL CHIP	470K	5%	1/10W
R232	1-216-821-11	METAL CHIP	1K	5%	1/10W
R233	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R234	1-216-817-11	METAL CHIP	470	5%	1/10W
R235	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R236	1-216-821-11	METAL CHIP	1K	5%	1/10W
R238	1-216-817-11	METAL CHIP	470	5%	1/10W
R239	1-216-833-11	METAL CHIP	10K	5%	1/10W
R240	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R241	1-216-813-11	METAL CHIP	220	5%	1/10W
R243	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R245	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R266	1-216-821-11	METAL CHIP	1K	5%	1/10W
R322	1-216-833-11	METAL CHIP	10K	5%	1/10W
R323	1-216-857-11	METAL CHIP	1M	5%	1/10W
R324	1-216-825-11	METAL CHIP	2.2K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R325	1-216-821-11	METAL CHIP	1K	5%	1/10W
R326	1-216-821-11	METAL CHIP	1K	5%	1/10W
R327	1-216-821-11	METAL CHIP	1K	5%	1/10W
R328	1-216-813-11	METAL CHIP	220	5%	1/10W
R331	1-216-817-11	METAL CHIP	470	5%	1/10W
R332	1-216-817-11	METAL CHIP	470	5%	1/10W
R333	1-216-833-11	METAL CHIP	10K	5%	1/10W
R334	1-216-809-11	METAL CHIP	100	5%	1/10W
R335	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R336	1-216-833-11	METAL CHIP	10K	5%	1/10W
R337	1-216-833-11	METAL CHIP	10K	5%	1/10W
R338	1-216-833-11	METAL CHIP	10K	5%	1/10W
R801	1-216-833-11	METAL CHIP	10K	5%	1/10W
R802	1-216-841-11	METAL CHIP	47K	5%	1/10W
R803	1-216-821-11	METAL CHIP	1K	5%	1/10W
R804	1-216-841-11	METAL CHIP	47K	5%	1/10W
R805	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R806	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R807	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R808	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R809	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R810	1-216-821-11	METAL CHIP	1K	5%	1/10W
R811	1-216-821-11	METAL CHIP	1K	5%	1/10W
R812	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R813	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R814	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R815	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R816	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R817	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R818	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R819	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R820	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (S350:SP,TH)
R820	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (S350:AUS,KR,TW)
R820	1-216-837-11	METAL CHIP	22K	5%	1/10W (S350L)
R820	1-216-864-11	SHORT CHIP	0 (S350:US,CND,E92,MX)		
R821	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R822	1-216-817-11	METAL CHIP	470	5%	1/10W (S350:SP,TH)
R822	1-216-833-11	METAL CHIP	10K	5%	1/10W (S350:AUS,KR,TW/S350L)
R822	1-216-864-11	SHORT CHIP	0 (S350:US,CND,E92,MX)		
R823	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R824	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R825	1-216-841-11	METAL CHIP	47K	5%	1/10W
R826	1-216-821-11	METAL CHIP	1K	5%	1/10W
R827	1-216-845-11	METAL CHIP	100K	5%	1/10W
R828	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R829	1-216-853-11	METAL CHIP	470K	5%	1/10W
R830	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R831	1-216-837-11	METAL CHIP	22K	5%	1/10W
R832	1-216-817-11	METAL CHIP	470	5%	1/10W
R833	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R834	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R835	1-216-833-11	METAL CHIP	10K	5%	1/10W
R836	1-216-845-11	METAL CHIP	100K	5%	1/10W
R837	1-216-833-11	METAL CHIP	10K	5%	1/10W
R838	1-216-853-11	METAL CHIP	470K	5%	1/10W
R839	1-216-845-11	METAL CHIP	100K	5%	1/10W
R840	1-216-845-11	METAL CHIP	100K	5%	1/10W
R841	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R842	1-216-821-11	METAL CHIP	1K	5%	1/10W
R843	1-216-821-11	METAL CHIP	1K	5%	1/10W
R844	1-216-833-11	METAL CHIP	10K	5%	1/10W
R845	1-216-841-11	METAL CHIP	47K	5%	1/10W
R846	1-216-841-11	METAL CHIP	47K	5%	1/10W
R847	1-216-841-11	METAL CHIP	47K	5%	1/10W
R848	1-216-841-11	METAL CHIP	47K	5%	1/10W
R849	1-216-841-11	METAL CHIP	47K	5%	1/10W
R850	1-216-821-11	METAL CHIP	1K	5%	1/10W
R851	1-216-817-11	METAL CHIP	470	5%	1/10W
R852	1-216-817-11	METAL CHIP	470	5%	1/10W
R853	1-216-817-11	METAL CHIP	470	5%	1/10W
R854	1-216-813-11	METAL CHIP	220	5%	1/10W
R855	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R856	1-216-821-11	METAL CHIP	1K	5%	1/10W
R857	1-216-833-11	METAL CHIP	10K	5%	1/10W
R858	1-216-837-11	METAL CHIP	22K	5%	1/10W
R859	1-216-821-11	METAL CHIP	1K	5%	1/10W
R860	1-216-841-11	METAL CHIP	47K	5%	1/10W
R861	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R862	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R863	1-216-821-11	METAL CHIP	1K	5%	1/10W
R864	1-216-821-11	METAL CHIP	1K	5%	1/10W
R865	1-216-849-11	METAL CHIP	220K	5%	1/10W
R866	1-216-845-11	METAL CHIP	100K	5%	1/10W
R867	1-216-845-11	METAL CHIP	100K	5%	1/10W
R868	1-216-845-11	METAL CHIP	100K	5%	1/10W
R869	1-216-813-11	METAL CHIP	220	5%	1/10W
R870	1-216-833-11	METAL CHIP	10K	5%	1/10W
R871	1-216-833-11	METAL CHIP	10K	5%	1/10W
R872	1-216-833-11	METAL CHIP	10K	5%	1/10W
R873	1-216-833-11	METAL CHIP	10K	5%	1/10W
R874	1-216-833-11	METAL CHIP	10K	5%	1/10W
R875	1-216-833-11	METAL CHIP	10K	5%	1/10W
R876	1-216-833-11	METAL CHIP	10K	5%	1/10W
R877	1-216-833-11	METAL CHIP	10K	5%	1/10W
R878	1-216-833-11	METAL CHIP	10K	5%	1/10W
R879	1-216-833-11	METAL CHIP	10K	5%	1/10W
R880	1-216-833-11	METAL CHIP	10K	5%	1/10W
R881	1-216-833-11	METAL CHIP	10K	5%	1/10W
R882	1-216-833-11	METAL CHIP	10K	5%	1/10W
R883	1-216-833-11	METAL CHIP	10K	5%	1/10W
R884	1-216-833-11	METAL CHIP	10K	5%	1/10W
R885	1-216-833-11	METAL CHIP	10K	5%	1/10W
R886	1-216-833-11	METAL CHIP	10K	5%	1/10W
R887	1-216-833-11	METAL CHIP	10K	5%	1/10W
R888	1-216-833-11	METAL CHIP	10K	5%	1/10W
R889	1-216-833-11	METAL CHIP	10K	5%	1/10W
R890	1-216-833-11	METAL CHIP	10K	5%	1/10W
R891	1-216-837-11	METAL CHIP	22K	5%	1/10W
R892	1-216-809-11	METAL CHIP	100	5%	1/10W (S350L)
R893	1-216-813-11	METAL CHIP	220	5%	1/10W (S350L)
R894	1-216-821-11	METAL CHIP	1K	5%	1/10W (S350L)

Ref. No.	Part No.	Description			Remark
R895	1-216-813-11	METAL CHIP	220	5%	1/10W
R896	1-216-813-11	METAL CHIP	220	5%	1/10W
R899	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R900	1-216-821-11	METAL CHIP	1K	5%	1/10W
R922	1-216-817-11	METAL CHIP	470	5%	1/10W
R923	1-216-817-11	METAL CHIP	470	5%	1/10W
R930	1-216-817-11	METAL CHIP	470	5%	1/10W
R951	1-216-841-11	METAL CHIP	47K	5%	1/10W
R952	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R953	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R954	1-216-821-11	METAL CHIP	1K	5%	1/10W
R955	1-216-821-11	METAL CHIP	1K	5%	1/10W
R956	1-216-833-11	METAL CHIP	10K	5%	1/10W
R957	1-216-833-11	METAL CHIP	10K	5%	1/10W
R958	1-216-813-11	METAL CHIP	220	5%	1/10W
R959	1-216-809-11	METAL CHIP	100	5%	1/10W
R960	1-216-821-11	METAL CHIP	1K	5%	1/10W
R961	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R962	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R963	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R964	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
		< VIBRATOR >			
X801	1-795-915-11	VIBRATOR, CRYSTAL (32.768kHz)			
X802	1-795-054-21	VIBRATOR, CERAMIC (4.19MHz)			
**********					
*	1-865-640-11	POWER BOARD			
		**********			
	1-533-233-31	HOLDER, FUSE			
		< CAPACITOR >			
C901	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C902	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C903	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C904	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C906	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
CNP901	1-815-551-11	PIN, CONNECTOR (PWB) 3P			
		< DIODE >			
D901	8-719-063-79	DIODE 1N4002B			
D902	8-719-063-79	DIODE 1N4002B			
D903	8-719-063-79	DIODE 1N4002B			
D904	8-719-063-79	DIODE 1N4002B			
		< FUSE >			
⚠F902	1-533-468-12	FUSE, GLASS TUBE (DIA. 5) (T2A/250V) (S350:AUS,KR,SP,TH/S350L)			
⚠F902	1-533-469-12	FUSE, GLASS TUBE (DIA. 5) (2.5A/250V) (S350:US,CND,E92,MX,TW)			
		< AC INLET >			
⚠J901	1-526-818-11	INLET, AC (～ AC IN) (S350:E92,MX)			
⚠J901	1-526-838-11	INLET, AC 2P (～ AC IN) (S350:AUS,KR,SP,TH,TW/S350L)			
⚠J901	1-540-009-11	INLET, AC (～ AC IN) (S350:US,CND)			

Ref. No.	Part No.	Description			Remark
		< TRANSFORMER >			
⚠T901	1-435-917-21	TRANSFORMER, POWER (S350:US,CND,E92,MX,TW)			
⚠T901	1-435-918-21	TRANSFORMER, POWER (S350:AUS,KR,SP,TH/S350L)			
**********					
	A-1098-553-A	POWER KEY BOARD, COMPLETE			
		**********			
		< RESISTOR >			
R401	1-216-813-11	METAL CHIP	220	5%	1/10W
R402	1-216-817-11	METAL CHIP	470	5%	1/10W
		< SWITCH >			
S401	1-786-050-21	SWITCH, KEYBOARD (SLEEP)			
S402	1-786-050-21	SWITCH, KEYBOARD (POWER) (S350)			
S402	1-786-050-21	SWITCH, KEYBOARD (OPERATE) (S350L)			
**********					
*	A-1115-411-A	TC BOARD, COMPLETE (S350)			
	A-1108-791-A	TC BOARD, COMPLETE (S350L)			
		**********			
		< CAPACITOR >			
C101	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C102	1-104-658-11	ELECT	100uF	20%	10V
C103	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C104	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C105	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C107	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C201	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C202	1-104-658-11	ELECT	100uF	20%	10V
C203	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C204	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C205	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C207	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C301	1-104-658-11	ELECT	100uF	20%	10V
C302	1-104-658-11	ELECT	100uF	20%	10V
C303	1-104-658-11	ELECT	100uF	20%	10V
C304	1-126-947-11	ELECT	47uF	20%	35V
C305	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V (S350)
C305	1-162-962-11	CERAMIC CHIP	470PF	10%	50V (S350L)
C306	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V (S350)
C306	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (S350L)
C307	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (S350L)
C307	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V (S350)
C308	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (S350L)
C309	1-162-923-11	CERAMIC CHIP	47PF	5%	50V (S350L)
C310	1-164-230-11	CERAMIC CHIP	220PF	5%	50V (S350L)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
		< CONNECTOR >			
CN303	1-568-830-11	CONNECTOR, FFC 11P (S350)			
CN303	1-784-774-11	CONNECTOR, FFC 13P (S350L)			
		< IC >			
IC301	8-759-264-71	IC TA2068N (S350)			
IC301	8-759-264-71	IC TA2068N (S350L)			
		< JUMPER RESISTOR >			
JC301	1-216-864-11	SHORT CHIP	0		
JC302	1-216-864-11	SHORT CHIP	0		
JC303	1-216-864-11	SHORT CHIP	0		
JC304	1-216-864-11	SHORT CHIP	0		
JC305	1-216-864-11	SHORT CHIP	0		
JC306	1-216-295-11	SHORT CHIP	0		
JC307	1-216-864-11	SHORT CHIP	0		
JC308	1-216-295-11	SHORT CHIP	0		
JC309	1-216-864-11	SHORT CHIP	0 (S350L)		
		< TRANSISTOR >			
Q301	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R		
Q302	8-729-907-00	TRANSISTOR	DTC114EU (S350L)		
Q303	8-729-907-00	TRANSISTOR	DTC114EU (S350L)		
		< RESISTOR >			
R101	1-216-835-11	METAL CHIP	15K	5%	1/10W
R102	1-216-807-11	METAL CHIP	68	5%	1/10W
R103	1-216-843-11	METAL CHIP	68K	5%	1/10W
R104	1-216-835-11	METAL CHIP	15K	5%	1/10W
R105	1-216-835-11	METAL CHIP	15K	5%	1/10W
R106	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R110	1-216-809-11	METAL CHIP	100	5%	1/10W
R111	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R112	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R201	1-216-835-11	METAL CHIP	15K	5%	1/10W
R202	1-216-807-11	METAL CHIP	68	5%	1/10W
R203	1-216-843-11	METAL CHIP	68K	5%	1/10W
R204	1-216-835-11	METAL CHIP	15K	5%	1/10W
R205	1-216-835-11	METAL CHIP	15K	5%	1/10W
R206	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R210	1-216-025-11	RES-CHIP	100	5%	1/10W
R211	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R212	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R301	1-216-857-11	METAL CHIP	1M	5%	1/10W
R302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R303	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R304	1-216-821-11	METAL CHIP	1K	5%	1/10W
R305	1-216-817-11	METAL CHIP	470	5%	1/10W
R306	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R307	1-216-797-11	METAL CHIP	10	5%	1/10W
R308	1-216-837-11	METAL CHIP	22K	5%	1/10W
R309	1-216-805-11	METAL CHIP	47	5%	1/10W
R310	1-216-857-11	METAL CHIP	1M	5%	1/10W (S350L)
R311	1-216-857-11	METAL CHIP	1M	5%	1/10W (S350L)
R314	1-216-817-11	METAL CHIP	470	5%	1/10W
R315	1-216-817-11	METAL CHIP	470	5%	1/10W

Ref. No.	Part No.	Description			Remark
		< SWITCH >			
S301	1-786-126-11	SWITCH, SLIDE (REC/PB)			
		< TRANSFORMER >			
T301	1-416-041-11	TRANSFORMER, BIAS OSCILLATION (S350L)			
T301	1-443-758-11	TRANSFORMER, BIAS OSCILLATION (S350)			
**********					
	A-1098-549-A	TUNER BOARD, COMPLETE			(S350:US,CND,E92,MX)
	A-1098-611-A	TUNER BOARD, COMPLETE			(S350:AUS,KR,SP,TH,TW)
		**********			
	2-547-169-01	TERMINAL, ANTENNA			
		< CAPACITOR >			
C1	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C4	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C7	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C8	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C9	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C10	1-126-960-11	ELECT	1uF	20%	50V
C11	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C12	1-126-963-11	ELECT	4.7uF	20%	50V
C13	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (S350:US,CND,E92,MX)
C14	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (S350:AUS,KR,SP,TH,TW)
C14	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V (S350:US,CND,E92,MX)
C15	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (S350:AUS,KR,SP,TH,TW)
C15	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V (S350:US,CND,E92,MX)
C18	1-126-923-11	ELECT	220uF	20%	10V
C20	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C21	1-126-960-11	ELECT	1uF	20%	50V
C22	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C23	1-126-960-11	ELECT	1uF	20%	50V
C24	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C26	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C27	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C29	1-104-658-11	ELECT	100uF	20%	10V
C30	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C31	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C32	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C33	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C34	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C35	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C37	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C39	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C41	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C42	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C43	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C47	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C49	1-161-051-00	CERAMIC	0.01uF	10%	25V
C51	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C52	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C53	1-137-190-11	FILM	0.22uF	5%	50V
C54	1-126-923-11	ELECT	220uF	20%	10V

Ref. No.	Part No.	Description			Remark
C55	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C56	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C57	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C59	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C60	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C61	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C62	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C63	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C65	1-126-963-11	ELECT	4.7uF	20%	50V
C66	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C68	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C77	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V (S350:AUS,KR,SP,TH,TW)
C78	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V (S350:AUS,KR,SP,TH,TW)
C80	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C95	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< FILTER >			
CF2	1-760-235-81	FILTER, CERAMIC			
CF4	1-781-962-21	FILTER, CERAMIC			
		< CONNECTOR >			
CNP1	1-568-854-11	CONNECTOR, FFC 11P			
		< TRIMMER CAPACITOR >			
CT1	1-141-442-91	CAP, CERAMIC TRIMMER 20PF			
CT3	1-141-304-21	CAP, CERAMIC TRIMMER 10PF			
		< DIODE >			
D1	8-719-078-48	DIODE KV1471ETR1-3			
D2	8-719-078-48	DIODE KV1471ETR1-3			
D3	8-719-050-69	DIODE KV1520N			
D10	8-719-988-61	DIODE 1SS355TE-17			
D11	8-719-988-61	DIODE 1SS355TE-17			
		< IC >			
IC1	6-700-512-01	IC TA2149BN			
IC2	8-759-483-40	IC LC72137M-TLM-E			
		< JUMPER RESISTOR >			
JC1	1-216-864-11	SHORT CHIP	0		
JC2	1-216-864-11	SHORT CHIP	0		
JC3	1-216-864-11	SHORT CHIP	0		
JC4	1-216-864-11	SHORT CHIP	0		
JC5	1-216-864-11	SHORT CHIP	0		
JC6	1-216-864-11	SHORT CHIP	0		
JC11	1-216-864-11	SHORT CHIP	0		
JC12	1-216-864-11	SHORT CHIP	0		
JC13	1-216-864-11	SHORT CHIP	0		
JC24	1-216-864-11	SHORT CHIP	0 (S350:AUS,KR,SP,TH,TW)		
JC33	1-216-864-11	SHORT CHIP	0		
JC34	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L1	1-409-775-11	COIL, AIR-CORE			
L2	1-416-509-11	COIL, AIR-CORE			
L3	1-754-117-12	ANTENNA, FERRITE-ROD (AM)			
L4	1-411-234-21	COIL, AM OSC			
L11	1-414-142-11	INDUCTOR	1uH (S350:US,CND,E92,MX)		
L21	1-410-509-11	INDUCTOR	10uH		
		< RESISTOR >			
R1	1-216-817-11	METAL CHIP	470	5%	1/10W
R2	1-216-817-11	METAL CHIP	470	5%	1/10W
R3	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5	1-216-821-11	METAL CHIP	1K	5%	1/10W
R10	1-216-805-11	METAL CHIP	47	5%	1/10W
R11	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R13	1-216-821-11	METAL CHIP	1K	5%	1/10W
R14	1-216-821-11	METAL CHIP	1K	5%	1/10W
R24	1-216-813-11	METAL CHIP	220	5%	1/10W
R30	1-216-837-11	METAL CHIP	22K	5%	1/10W
R31	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R32	1-216-845-11	METAL CHIP	100K	5%	1/10W
R33	1-216-833-11	METAL CHIP	10K	5%	1/10W
R40	1-216-849-11	METAL CHIP	220K	5%	1/10W
R41	1-216-833-11	METAL CHIP	10K	5%	1/10W
R50	1-216-821-11	METAL CHIP	1K	5%	1/10W
R51	1-216-833-11	METAL CHIP	10K	5%	1/10W
R52	1-216-864-11	SHORT CHIP	0		
R53	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R54	1-216-817-11	METAL CHIP	470	5%	1/10W
R55	1-216-833-11	METAL CHIP	10K	5%	1/10W
R56	1-216-813-11	METAL CHIP	220	5%	1/10W
R57	1-216-809-11	METAL CHIP	100	5%	1/10W
R58	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R59	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R60	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R61	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R63	1-216-833-11	METAL CHIP	10K	5%	1/10W
R65	1-216-833-11	METAL CHIP	10K	5%	1/10W
R91	1-216-813-11	METAL CHIP	220	5%	1/10W
R92	1-216-813-11	METAL CHIP	220	5%	1/10W
R94	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< TRANSFORMER >			
T1	1-433-741-11	TRANSFORMER, IF			
T2	1-419-465-11	COIL (DET)			
		< VIBRATOR >			
X1	1-795-449-11	VIBRATOR, CRYSTAL (75kHz)			
**********					
	A-1098-590-A	TUNER BOARD, COMPLETE (S350L)			
		**********			
	2-547-169-01	TERMINAL, ANTENNA			
		< CAPACITOR >			
C1	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C2	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C4	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C5	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description			Remark
C6	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C7	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C8	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C9	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C10	1-126-960-11	ELECT	1uF	20%	50V
C11	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C12	1-126-963-11	ELECT	4.7uF	20%	50V
C14	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C15	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C18	1-126-923-11	ELECT	220uF	20%	10V
C20	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C21	1-126-960-11	ELECT	1uF	20%	50V
C22	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C23	1-126-960-11	ELECT	1uF	20%	50V
C24	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C25	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C29	1-104-658-11	ELECT	100uF	20%	10V
C30	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C31	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C32	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C33	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C34	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C35	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C37	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C39	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C40	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C41	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C42	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C43	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C44	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C45	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C46	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C48	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C49	1-161-772-11	CERAMIC	0.1uF	10%	25V
C51	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C52	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C53	1-137-194-81	FILM	0.47uF	5%	50V
C54	1-126-923-11	ELECT	220uF	20%	10V
C55	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C56	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C57	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C58	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C59	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C60	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C61	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C62	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C63	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C64	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C66	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C68	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C70	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C71	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C72	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C73	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C77	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C78	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C80	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C93	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C95	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< FILTER >			
CF2	1-795-426-11	FILTER, CERAMIC			
CF4	1-781-962-21	FILTER, CERAMIC			
		< CONNECTOR >			
CNP1	1-568-854-11	CONNECTOR, FFC 11P			
		< TRIMMER CAPACITOR >			
CT1	1-141-442-91	CAP, CERAMIC TRIMMER 20PF			
CT3	1-141-304-21	CAP, CERAMIC TRIMMER 10PF			
CT5	1-141-459-11	CAP, TRIMMER (SEAL TYPE) 45PF			
		< DIODE >			
D1	8-719-078-48	DIODE KV1471ETR1-3			
D2	8-719-078-48	DIODE KV1471ETR1-3			
D3	8-719-050-69	DIODE KV1520N			
D10	8-719-988-61	DIODE 1SS355TE-17			
D11	8-719-988-61	DIODE 1SS355TE-17			
		< IC >			
IC1	6-700-512-01	IC TA2149BN			
IC2	8-759-483-40	IC LC72137M-TLM-E			
		< JUMPER RESISTOR >			
JC1	1-216-864-11	SHORT CHIP	0		
JC2	1-216-864-11	SHORT CHIP	0		
JC3	1-216-864-11	SHORT CHIP	0		
JC4	1-216-864-11	SHORT CHIP	0		
JC5	1-216-864-11	SHORT CHIP	0		
JC6	1-216-864-11	SHORT CHIP	0		
JC22	1-216-864-11	SHORT CHIP	0		
JC23	1-216-864-11	SHORT CHIP	0		
JC24	1-216-864-11	SHORT CHIP	0		
JC33	1-216-864-11	SHORT CHIP	0		
JC34	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L1	1-409-775-11	COIL, AIR-CORE			
L2	1-416-509-11	COIL, AIR-CORE			
L3	1-754-116-12	ANTENNA, FERRITE-ROD (MW/LW)			
L4	1-411-199-31	COIL, MW/LW OSC			
L21	1-410-509-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q12	8-729-028-99	TRANSISTOR DTC114YUA-T106			
Q14	8-729-905-35	TRANSISTOR 2SC4081-R			
Q41	8-729-920-31	TRANSISTOR DTC343TK			
Q42	8-729-054-77	TRANSISTOR 2SC4098-T106-PQ			
Q43	8-729-920-38	TRANSISTOR 2SC2059K-N			
Q44	8-729-054-77	TRANSISTOR 2SC4098-T106-PQ			
Q61	8-729-106-07	FET 2SK514-H			
		< RESISTOR >			
R1	1-216-817-11	METAL CHIP	470	5%	1/10W
R2	1-216-817-11	METAL CHIP	470	5%	1/10W

TUNER (S350L)

Ref. No.	Part No.	Description			Remark
R3	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9	1-216-845-11	METAL CHIP	100K	5%	1/10W
R10	1-216-805-11	METAL CHIP	47	5%	1/10W
R11	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R12	1-216-841-11	METAL CHIP	47K	5%	1/10W
R13	1-216-821-11	METAL CHIP	1K	5%	1/10W
R14	1-216-821-11	METAL CHIP	1K	5%	1/10W
R16	1-216-833-11	METAL CHIP	10K	5%	1/10W
R17	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R18	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R19	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R22	1-216-833-11	METAL CHIP	10K	5%	1/10W
R24	1-216-813-11	METAL CHIP	220	5%	1/10W
R30	1-216-837-11	METAL CHIP	22K	5%	1/10W
R31	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R32	1-216-845-11	METAL CHIP	100K	5%	1/10W
R33	1-216-833-11	METAL CHIP	10K	5%	1/10W
R40	1-216-853-11	METAL CHIP	470K	5%	1/10W
R41	1-216-833-11	METAL CHIP	10K	5%	1/10W
R42	1-216-845-11	METAL CHIP	100K	5%	1/10W
R43	1-216-833-11	METAL CHIP	10K	5%	1/10W
R50	1-216-821-11	METAL CHIP	1K	5%	1/10W
R51	1-216-833-11	METAL CHIP	10K	5%	1/10W
R52	1-216-809-11	METAL CHIP	100	5%	1/10W
R53	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R54	1-216-817-11	METAL CHIP	470	5%	1/10W
R55	1-216-864-11	SHORT CHIP	0		
R56	1-216-813-11	METAL CHIP	220	5%	1/10W
R57	1-216-809-11	METAL CHIP	100	5%	1/10W
R58	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R59	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R60	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R61	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R63	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R64	1-216-821-11	METAL CHIP	1K	5%	1/10W
R66	1-216-805-11	METAL CHIP	47	5%	1/10W
R91	1-216-813-11	METAL CHIP	220	5%	1/10W
R92	1-216-813-11	METAL CHIP	220	5%	1/10W
R93	1-216-821-11	METAL CHIP	1K	5%	1/10W
R94	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< TRANSFORMER >			
T1	1-433-741-11	TRANSFORMER, IF			
T2	1-419-465-11	COIL (DET)			
		< VIBRATOR >			
X1	1-795-449-11	VIBRATOR, CRYSTAL (75kHz)			

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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
104	1-962-805-11	CABLE, FLEXIBLE FLAT (16 CORE)	
105	1-829-068-11	CABLE, FLEXIBLE FLAT (14 CORE)	
111	1-452-899-11	MAGNET	
154	1-830-380-11	CABLE, FLEXIBLE FLAT (4 CORE)	
155	1-830-381-11	CABLE, FLEXIBLE FLAT (8 CORE)	
160	1-829-066-11	CABLE, FLEXIBLE FLAT (11 CORE)	
168	1-829-065-11	CABLE, FLEXIBLE FLAT (10 CORE)	
207	1-962-797-11	CABLE, FLEXIBLE FLAT (11 CORE)	
253	1-831-926-11	CABLE, FLEXIBLE FLAT (11 CORE) (S350)	
253	1-831-933-11	CABLE, FLEXIBLE FLAT (13 CORE) (S350L)	
⚠301	8-848-483-12	OPTICAL PICK-UP (KSS-213C/C2RP1)	
305	X-2162-709-2	CHASSIS ASSY (CDP), MOTOR (SPINDLE)	(including M701)
ANT1	1-754-376-11	ANTENNA, TELESCOPIC (FM)	
HE301	1-500-813-11	HEAD, ERASE (ERASE)	
HRP301	3-266-053-01	HEAD, RP (REC/PB)	
M702	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED)	
M801	X-3385-048-1	MOTOR SUB ASSY (CAPSTAN/REEL)	
S801	1-692-960-11	SWITCH, PUSH (1 KEY)	(⏏ PUSH OPEN/CLOSE)
SP301	1-825-690-11	SPEAKER (DIA. 10cm) (L-CH)	
SP302	1-825-690-11	SPEAKER (DIA. 10cm) (R-CH)	
		ACCESSORIES	
		**********	
⚠	1-590-342-12	CORD, POWER (S350:E92,MX)	
⚠	1-769-412-22	CORD, POWER (S350:SP,TH/S350L)	
⚠	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (S350L:UK)	
⚠	1-776-985-12	CORD, POWER (KR)	
⚠	1-824-515-11	CORD, POWER (S350:US,CND)	
⚠	1-828-834-11	CORD, POWER (AUS)	
⚠	1-829-433-11	CORD, POWER (TW)	
	2-547-174-11	MANUAL, INSTRUCTION (KOREAN) (KR)	
	2-547-174-21	MANUAL, INSTRUCTION (UKRAINIAN) (CET)	
	2-548-052-11	MANUAL, INSTRUCTION (ENGLISH)	(AEP,UK,AUS,KR,SP,TH)
	2-548-052-21	MANUAL, INSTRUCTION (SPANISH) (AEP,SP)	
	2-548-052-31	MANUAL, INSTRUCTION (FRENCH) (AEP)	
	2-548-052-41	MANUAL, INSTRUCTION (GERMAN) (AEP)	
	2-548-052-51	MANUAL, INSTRUCTION (DUTCH) (AEP)	
	2-548-052-61	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)	
	2-548-052-71	MANUAL, INSTRUCTION (ITALIAN) (IT)	
	2-548-052-81	MANUAL, INSTRUCTION (SWEDISH) (CET)	
	2-548-052-91	MANUAL, INSTRUCTION (FINNISH) (CET)	
	2-548-053-11	MANUAL, INSTRUCTION (POLISH) (CET)	
	2-548-053-21	MANUAL, INSTRUCTION (CZECH) (CET)	
	2-548-053-31	MANUAL, INSTRUCTION (HUNGARIAN) (CET)	
	2-548-053-41	MANUAL, INSTRUCTION (SLOVAKIAN) (CET)	
	2-548-053-51	MANUAL, INSTRUCTION (RUSSIAN) (CET)	
	2-548-053-61	MANUAL, INSTRUCTION (ENGLISH)	(US,CND,E92,MX,TW)
	2-548-053-71	MANUAL, INSTRUCTION (SPANISH) (E92,MX)	
	2-548-053-81	MANUAL, INSTRUCTION (FRENCH) (CND)	
	2-548-053-91	MANUAL, INSTRUCTION	(TRADITIONAL CHINESE) (TW)
	3-267-151-11	LID BATTERY (FOR RMT-CS350A/CS350AD)	
	A-1107-489-A	REMOTE COMMANDER (RMT-CS350A) (S350)	
	A-1107-491-A	REMOTE COMMANDER (RMT-CS350AD) (S350L)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

CFD-S350/S350L

SONY

SERVICE MANUAL

Ver. 1.9 2007.09

US Model
Canadian Model
E Model
Australian Model
CFD-S350
AEP Model
UK Model
CFD-S350L

SUPPLEMENT-1

File this supplement with the service manual.

Subject: Change of tape mechanism

This model is using four kinds of tape mechanisms.
In performing the replacing of tape mechanism, be sure to check which tape mechanism is used, according to the identification of next page.
SUPPLEMENT-1 has indicated only the information of MF-S200//C, MF-S200//C1 and MF-S3350V//C.
Please see page 49 of the service manual about MF-S350//C (The driving belt is one type).

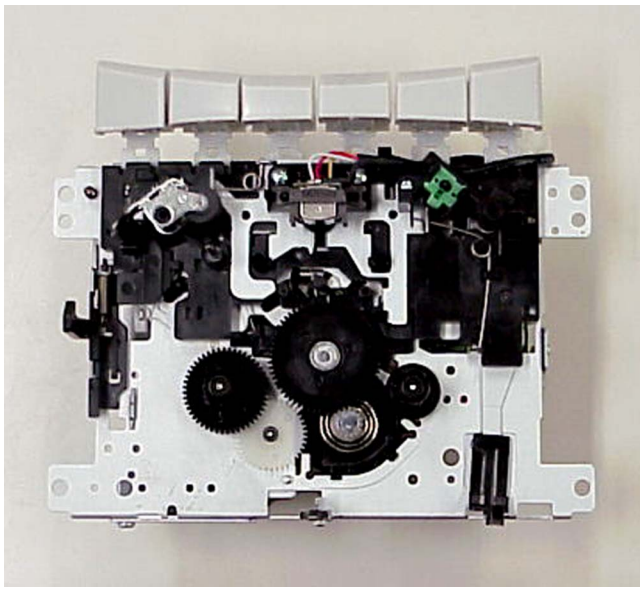
Note: The four different tape mechanisms are interchangeable as the complete tape mechanisms.
If any single parts are hardly available, the complete tape mechanism (MF-S∗∗∗) should be replaced.
However, the TC chassis vary with the tape mechanisms.
Replace the TC chassis, if required, according to the list below.

Tape mechanism	Part No. of tape mechanism	Part No. of TC chassis
MF-S200//C	A-3013-956-A	3-237-719-01
MF-S200//C1	A-1159-075-A	3-252-614-01
MF-S350//C	A-1105-331-A	3-252-614-01
MF-S350V//C	A-1211-775-A	3-252-614-01

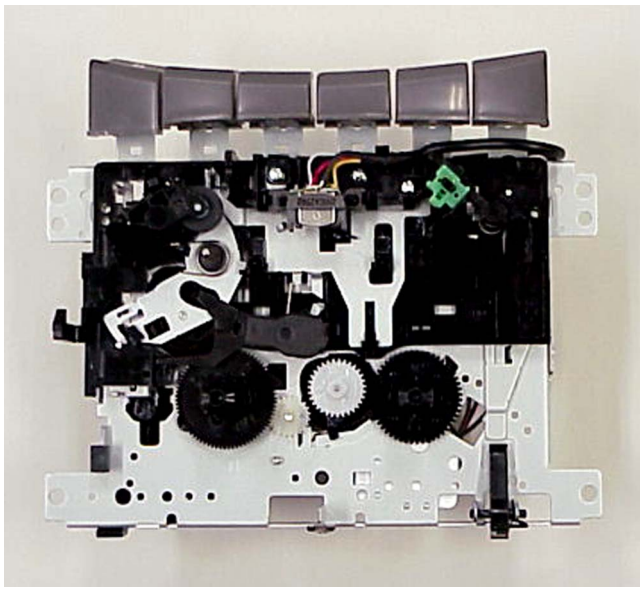
9-879-435-81

IDENTIFICATION

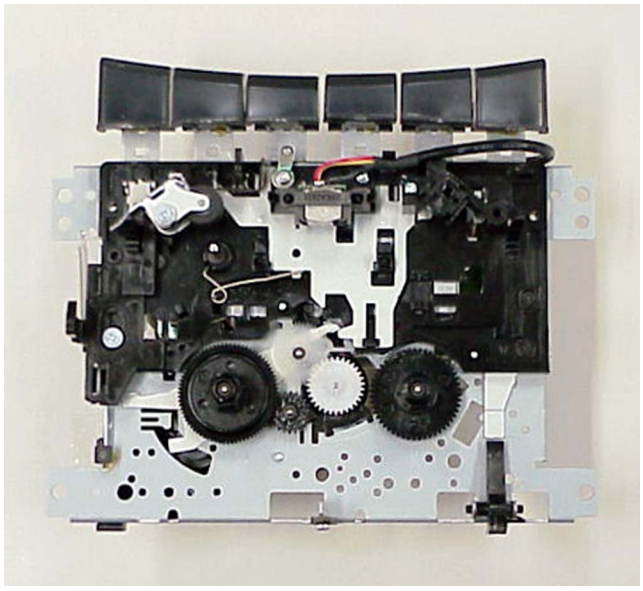
MF-S200//C



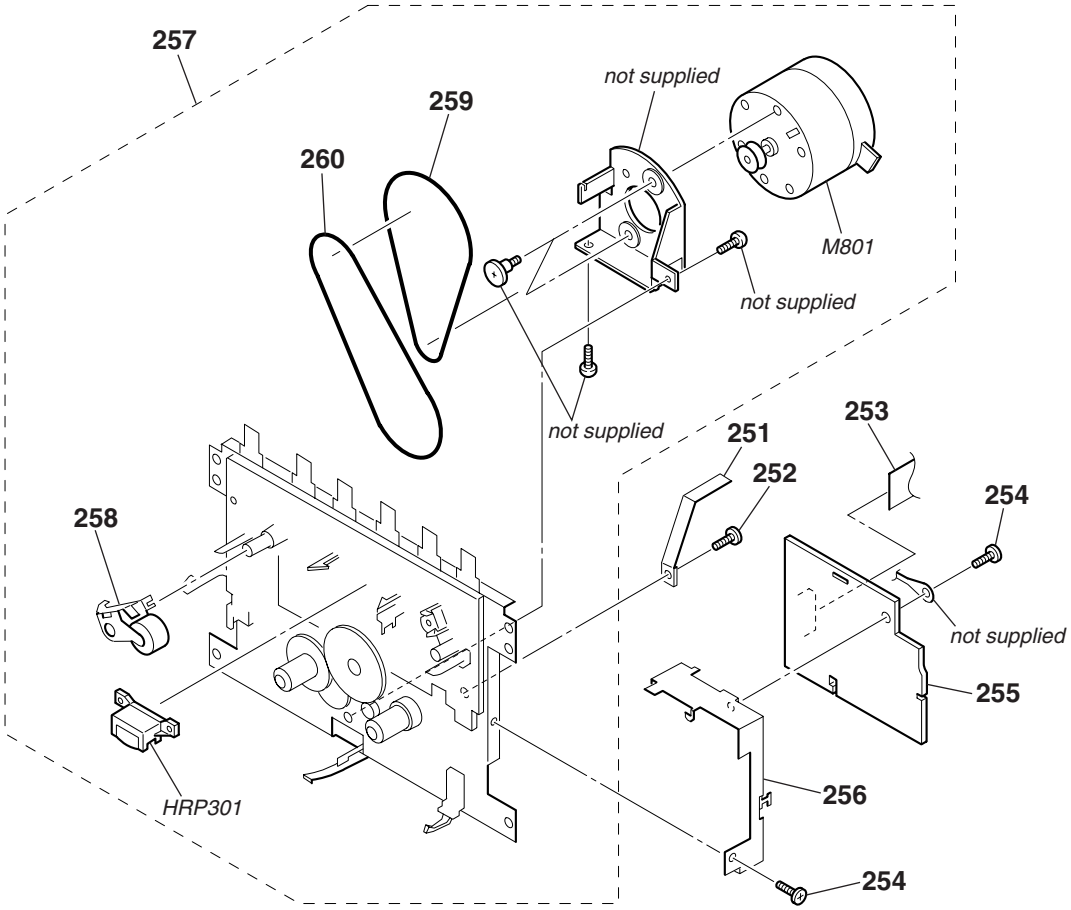
MF-S200//C1



MF-S350V//C



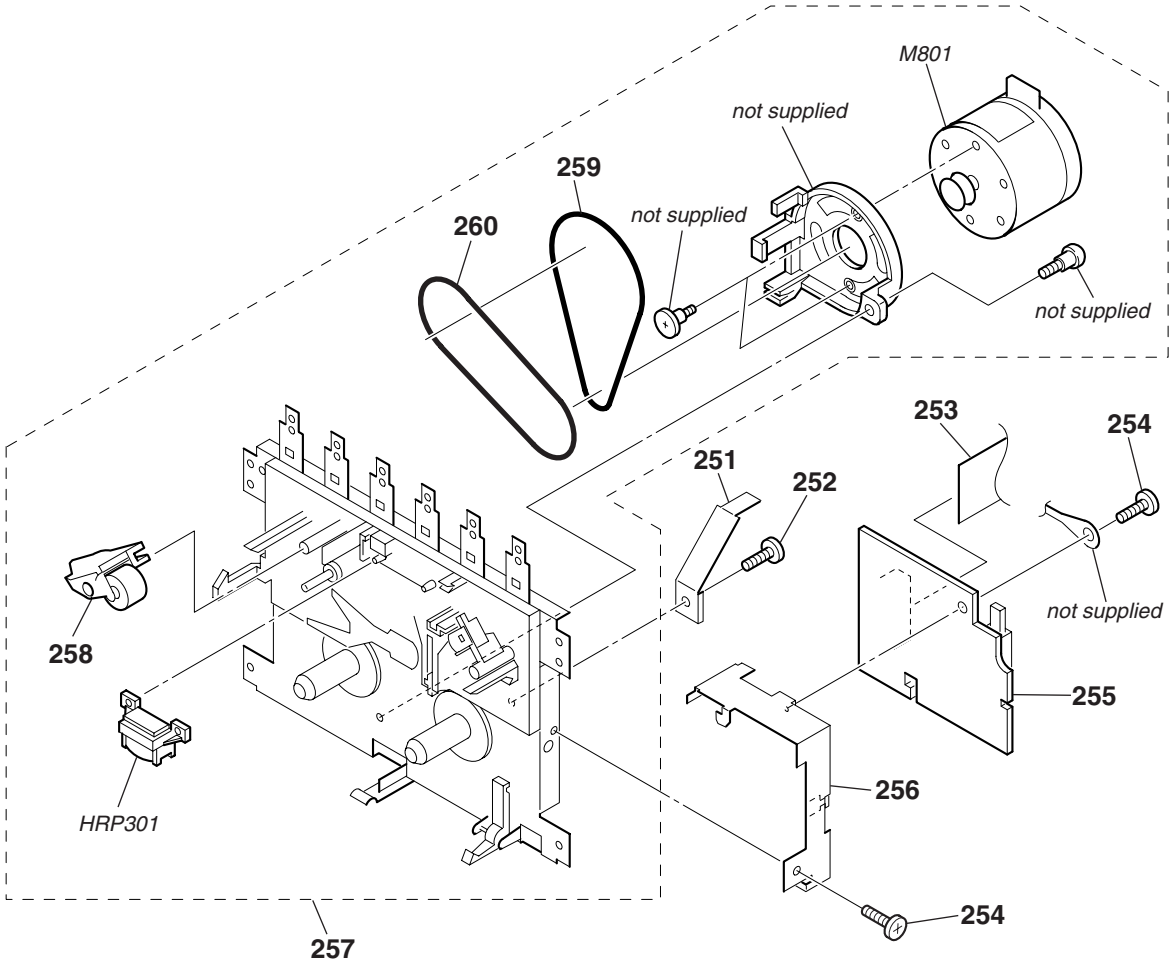
TAPE MECHANISM SECTION
(MF-S200//C)



Ref. No.	Part No.	Description	Remark
251	3-237-718-01	LEVER REC	
252	3-245-709-21	SCREW	
253	1-831-926-11	CABLE, FLEXIBLE FLAT (11 CORE) (S350)	
253	1-831-933-11	CABLE, FLEXIBLE FLAT (13 CORE) (S350L)	
254	3-254-029-01	SCREW	
255	A-1108-791-A	TC BOARD, COMPLETE (S350L)	
* 255	A-1115-411-A	TC BOARD, COMPLETE (S350)	

Ref. No.	Part No.	Description	Remark
256	3-237-719-02	CHASSIS, TC	
257	A-3013-956-A	MF-S200//C	
258	3-244-086-01	ARM, PINCH ROLLER	
259	3-244-080-01	BELT (B), MAIN	
260	3-244-079-01	BELT (B), SUB	
HRP301	3-244-085-01	HEAD, R/P (REC/PB)	
M801	3-244-082-01	MOTOR ASSY (CAPSTAN/REEL)	

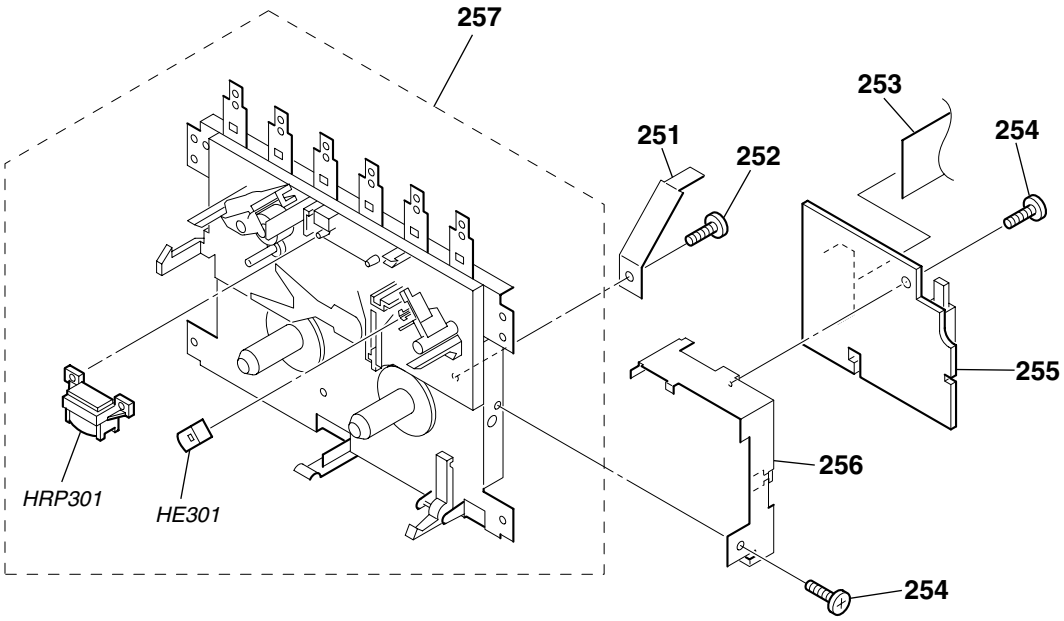
TAPE MECHANISM SECTION
(MF-S200//C1)



Ref. No.	Part No.	Description	Remark
251	3-237-718-01	LEVER REC	
252	3-245-709-21	SCREW	
253	1-831-926-11	CABLE, FLEXIBLE FLAT (11 CORE) (S350)	
253	1-831-933-11	CABLE, FLEXIBLE FLAT (13 CORE) (S350L)	
254	3-254-029-01	SCREW	
255	A-1108-791-A	TC BOARD, COMPLETE (S350L)	
* 255	A-1115-411-A	TC BOARD, COMPLETE (S350)	

Ref. No.	Part No.	Description	Remark
256	3-252-614-01	CHASSIS, TC	
257	A-1159-075-A	MF-S200//C1	
258	3-244-086-01	ARM, PINCH ROLLER	
259	2-663-211-01	BELT (B1), MAIN	
260	2-663-212-01	BELT (B1), SUB	
HRP301	3-244-085-01	HEAD, R/P (REC/PB)	
M801	2-663-205-01	MOTOR ASSY (CAPSTAN/REEL)	

TAPE MECHANISM SECTION
(MF-S350V//C)



Ref. No.	Part No.	Description	Remark
251	3-237-718-01	LEVER, REC	
252	3-254-022-01	SCREW	
253	1-831-926-11	CABLE, FLEXIBLE FLAT (11 CORE) (S350)	
253	1-831-933-11	CABLE, FLEXIBLE FLAT (13 CORE) (S350L)	
254	3-254-029-01	SCREW	
255	A-1108-791-A	TC BOARD, COMPLETE (S350L)	

Ref. No.	Part No.	Description	Remark
* 255	A-1115-411-A	TC BOARD, COMPLETE (S350)	
256	3-252-614-01	CHASSIS, TC	
257	A-1211-775-A	MF-S350V//C	
HE301	1-500-813-11	HEAD, ERASE (ERASE)	
HRP301	3-266-053-01	HEAD, RP (REC/PB)	

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the top of the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2005.02	New
1.1	2005.03	E92, Australian, Korean, Thai and Taiwan model addition.
1.2	2005.04	Color variation blue addition in Thai model.
1.3	2005.07	Part color error correction. (SPM-05116)
1.4	2006.02	SAFETY CHECK-OUT note addition.
1.5	2006.03	Change of tape mechanism. (Supplement-1) (SPM-06022)
1.6	2006.10	Replacement of Ref. No. of REW BUTTON and FF BUTTON. (SPM-06126)
1.7	2007.01	A note that the three different tape mechanisms are interchangeable as the complete tape mechanisms was added. (SPM-07004)
1.8	2007.07	Color variation blue addition in US model. MANUAL, INSTRUCTION of ukrainian is added to East European & Russian models of CFD-S350L. (SPM-07058)
1.9	2007.09	Addition of the tape mechanism (MF-S350V//C). Addition of the interchangeability table and notes on the tape mechanism and TC chassis. (SPM-07078)